

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

No. 3470
VOL. CXLVI

AUGUST 10, 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.

'SVC'
TRADE MARK BRAND

acetarsol vaginal compound



This pentavalent arsenical compound is widely used in the form of tablets for local application in various types of infection of the vagina, including moniliasis and particularly in cases associated with the presence of *Trichomonas vaginalis*.

The flagellate protozoon is found in many cases of non-venereal leucorrhoea and the well-known amoebicidal powers of acetarsol in the form of 'S.V.C.' tablets are successfully employed to treat cases of this obstinate type of vaginitis, so resistant to other forms of therapy.

The tablets are elongated in shape and recently a new effervescent type has been issued.

	Retail price.	Suggested Tax per unit.
Containers of 25 @	4s. 0d.	5½d.
Containers of 100 @	12s. 0d.	1s. 4d.
Containers of 500 @	48s. 0d.	5s. 4d.

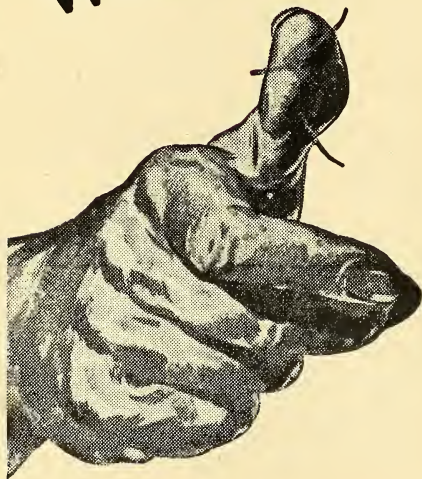
MANUFACTURED BY

MAY & BAKER LTD.

DISTRIBUTORS

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM

YOUR **REPUTATION** WAS NOT
WON BY CHANCE . . .



Aspirin ; Phenol ; Phenacetin ;
Methyl salicylate ; Sodium salicylate ;
Benzoic acid ; Sodium benzoate ;
Lysol and many others.

MONSANTO
CHEMICALS

Even at the best of times, maintaining a reputation is a long and arduous fight against the alleged fickleness of public opinion. However, success usually comes to the man who knows that this thing some people call fickleness is simply the public expression of sound judgment. It is on that judgment that the continued reputation of your product depends. And, having achieved success, the slightest variation in your established quality . . . the merest deviation from an essential specification and, just like that, you're in danger of losing a customer—and your reputation.

That's quite a responsibility for any man to carry—but one that Monsanto, in preparing their products, readily accepts without a qualm. But then, Monsanto has good reason to accept it. Every batch of every Monsanto chemical is *double-checked* by our highly skilled control chemists before a single pint or a single pound is delivered to your works.

But there's even more to it than that: most Monsanto chemicals are prepared to much closer specifications than those required by B.P. or B.S.I. So, with a high standard to start with, and with that high standard as an integral part of your formulae, you will readily appreciate the important part that *double-check-controlled* Monsanto chemicals play in helping you to maintain your reputation.

MONSANTO CHEMICALS LIMITED
Victoria Station House, London, S.W.1

Telephone: Victoria 2255
Telegrams: Monsanto, Sowest, London

SERVING INDUSTRY
.. WHICH SERVES MANKIND

PENICILLIN

FOR LOCAL THERAPY

● Local application of penicillin by means of lozenges has a special value in treatment of most of the common streptococcal infections of the mouth, the throat and the pharynx. Penicillin lozenges are also particularly effective against Vincent's infections of the mouth and gums; pain is relieved within a few hours, accompanied by clinical improvement.

The period of infectivity after scarlet fever can also be reduced by their use. The average dose consists of 6-20 lozenges.

PENICILLIN LOZENGES B.P.

EACH LOZENGE CONTAINS 500 UNITS OF CALCIUM PENICILLIN

For oral use. Bottle of 50, 2/6. Bottle of 500 20/-

PENICILLIN Glaxo. *Dry Sodium Salt for injection in aqueous solution.*

Single vials: 100,000 units 2/9; 200,000 4/9; 500,000 10/6; 1 mega (1,000,000) 20/-.

Packs of 10 vials: 100,000 units 27/6; 200,000 47/6; 500,000 105/-; 1 mega (1,000,000) 200/-.

OILY INJECTION OF PENICILLIN B.P. *For intramuscular injection.*

125,000 units per cc. of calcium salt in oil and beeswax. 10 cc. vials, 32/-.

All prices subject to 33½% discount

Manufacturers of **PENICILLIN**

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX.

BYRON 3434

Is C.F. successful?

There is one prominent example where C.F. has been brilliantly successful. Think of Simpson's Foot Ointment. Here is a line—a C.F. line—that has risen right to the top of its class. It outsells every other foot preparation. It has become the leader in its field. And the trade in Simpson's Foot Ointment is *your* trade because this product is C.F. No question of any of its going through non-pharmacy shops. *You* helped to put this leader on the map and *you* get the lucrative trade that has been built up for it. That's the very essence of C.F.

Now suppose the trade in Simpson's Foot Ointment had been built up on a product *not* C.F. What sort of warranty would you then have had that this profitable and rapidly expanding turnover would have remained *exclusively* pharmacy business? How sure would you have been that the cream of the trade would not soon be done by fixed price stores, grocers and even drapers? And how sure would you be that the rate of profit would remain in accordance with the N.P.U. standards, or, as in the case of Simpson's Foot Ointment, in excess of them, once the demand was firmly established and really big advertising becomes possible when newsprint is restored?

Mind you, C.F. isn't watertight—no scheme is. C.F. lines can be *copied* by

non-C.F. manufacturers. C.F. pharmacists can be tempted by such devices as freak initial bonuses to boost a non-C.F. line. Pretty easy, you know, to "fall for it" when high-pressure salesmanship gets to work.

But don't let anybody confuse the real issue. When a line becomes a leader—like Simpson's Foot Ointment—and is C.F. too—it represents a solid chunk of business that is all yours. Bear in mind, too, in this particular instance, that the Simpson product is not only the only foot preparation on the C.F. list, but that every time you ring up a sale a greater proportion of the cash you take stays in the till for keeps than is so with any other foot preparation. The contemporary in this field next in order of volume of sale only pays you best terms a shade over 31% for repeat orders, and to earn that you have to agree to special conditions.

When you look at your balance sheet at the end of the year, remember too, that the odd 6% or 7% on a line after your whole net profit for the rest goes to pay the overheads. Without the good payers like Simpson's—tied to you by C.F.—balance sheets have a habit of coming out with an awfully disappointing look. That's when you rub your chin and say "Turnover well up, but net profit actually *less* than last year? Can't understand it!

Announcement by:

J. W. SIMPSON (CHEMIST) LTD., IODINE HOUSE, MUSEUM STREET, W.C.1



*You'll
be glad to
say 'Yes'—*

when your customers ask for

CROOKES HALIBUT OIL



CROOKES HALIBUT OIL

STANDARD BONUS PARCELS

	£	s	d	BONUS
PARCEL G 12 x 15 c.c. Drops @ 5/- Retail Less 25%	3	0	0	1 x 15 c.c. Drops RETAIL VALUE 5/-
	15	0	0	
	2	5	0	
.. 10%	4	6	6	
* Amount of cash with order	* 2	0	6	
PARCEL H 35 x 5 c.c. Drops @ 2/- Retail Less 25%	3	12	0	3 x 5 c.c. Drops RETAIL VALUE 6/-
	18	0	0	
	2	14	0	
.. 10%	5	5	5	
* Amount of cash with order	* 2	8	7	
PARCEL J 12 x 30 c.c. Drops @ 9/- Retail Less 25%	5	8	0	1 x 30 c.c. Drops RETAIL VALUE 9/-
	1	7	0	
	4	1	0	
.. 10%	8	1	1	
* Amount of cash with order	* 3	12	11	
PARCEL K 72 x 5 c.c. Drops @ 2/- Retail Less 25%	7	4	0	12 x 5 c.c. Drops RETAIL VALUE £1/4/0
	1	16	0	
	5	8	0	
.. 10%	10	10	10	
* Amount of cash with order	* 4	17	2	
PARCEL L 12 x 100 Capsules @ 8/6 Retail Less 25%	5	2	0	1 x 100 Capsules RETAIL VALUE 8/6
	1	5	6	
	3	16	6	
.. 10%	7	8	8	
* Amount of cash with order	* 3	8	10	
PARCEL M 36 x 100 Capsules @ 8/6 Retail Less 25%	15	6	0	3 x 100 Capsules RETAIL VALUE £1/5/6
	3	16	6	
	11	9	6	
.. 10%	1	3	0	
* Amount of cash with order	* 10	6	6	

October's new advertising campaign will send your sales higher than ever before and we strongly advise you to build up your stocks now and avoid delay or disappointment later on.

Orders for Bonus Parcels can be executed immediately during the summer months but we can give no guarantee for the winter.

PATA

TERMS OF SUPPLY: 1. Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M, are ordered. 2. Cash must accompany the order. No pro-forma invoices can be issued. 3. Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind. 4. Bonus in kind cannot be allowed on any other Halibut Oil products.

Established 1878

*Labels -
Cartons -
Envelopes -*

**& EVERY DESCRIPTION
OF MEDICAL PRINTING**

ALF. HARRISON & SONS LTD.
Chemists' Printers
BURLEY ROAD, LEEDS, 4.

HERE'S A GOOD LINE!

15/9 per dozen
less 5% and
2½%
(6 dozen lots)

Recommend it
for all house-
hold purposes



The use of

Cephos REGD
See-foss
Pronounced THE
PHYSICIANS'
REMEDY

in the effective treatment of head-
ache, neuralgia and rheumatic pains
may be safely recommended.
Cephos does not affect the heart.

In tablet or powder form, 8 powders or 16
tablets 1/3, 21 powders or 42 tablets 3/-,
Single dose 2d. (inc. Purchase Tax.)

Cephos REGD
See-foss
Pronounced THE
PHYSICIANS'
REMEDY

CEPHOS LTD BLACKBURN. PAT.A

VIKELP

Nutritional Food Tonic

contains **(10)**
essential Minerals
and Vitamin B₁

This perfectly balanced Food Tonic
can be recommended with every
confidence in cases of

**TIREDDNESS, DEPRESSION,
LASSITUDE, GENERAL DEBILITY**

Obtainable from your regular wholesaler, or
J. C. Gambles & Co., Ltd., 211/215,
Blackfriars Road, London, S.E.1.

HEALTH PRODUCTS LABORATORIES LTD.
128-134 Baker St., London, W.1

PATA

INDEX TO ADVERTISERS

Christie, Geo., & Co.	xx
Claude, Jean, Beauty Preparations	xxi
Clinical Products, Ltd.	16
Concentric Indicator Laboratories	iv
Cooper Laboratory, Ltd.	14
Cooper, Son & Co., Ltd.	Leader Page
Cork Trade Association	xxiii
Cox, Arthur H., & Co., Ltd.	8
Crookes Laboratories (British Colloids, Ltd.)	3
Cross & Max, Ltd.	Leader Page
Cupal, Ltd.	13
Dales Aspirin Co.	15
Daniel, Richard, & Son., Ltd.	13
Davenport, J. T., Ltd.	xix
Delf, W. M., & Co.	xxiii
Demuth, R., Ltd.	26
Dengerm, Ltd.	xxiii
Elbalm Pharmaceutical Specialities Co.	12
Energen Foods, Ltd.	xix
Evans, Gadd & Co., Ltd.	v
Fasteeth	xix
Fassett & Johnson	xviii
Fennings, A.	Leader Page
Fink, F., & Co.	Leader Page
Freudentheil, Smith & Co.	Leader Page
Fryer & Co. (Nelson), Ltd.	26
Fulford, G. T., & Co., Ltd.	8
Gale, Baiss & Co., Ltd.	iv
Glaxo Laboratories, Ltd.	1
Gosherin, John, & Co., Ltd.	15
Gutkind, F., & Co., Ltd.	iv
Harris, Hart & Co., Ltd.	ii
Harrison, A., & Sons, Ltd.	4
Health Products Laboratories, Ltd.	4

(continued overleaf)

Acton Pill & Tablet Co., Ltd.	xxiii
Addis, Ltd.	21
Advita, Ltd.	xvi
Aero-Ped, Ltd.	xx
Aimer, G. C., & Co.	vi
Allen, Stafford, & Sons, Ltd.	18
Anderson & Reeve, Ltd.	xi
Anglo-French Drug Co., Ltd.	12
Bailey, R., & Son, Ltd.	viii
Barker, R., & Son, Ltd.	Leader Page
Beechams	xvii
Benger's, Ltd.	11
Blackwell, Hayes & Co., Ltd.	ii
Blyton, Astley & Co., Ltd.	Leader Page
Bovril, Ltd.	xvi
Briccas, Ltd.	vi
British Dental Sticks, Ltd.	xxiii
British Drug Houses, Ltd., The	i
British Felsol Co., Ltd.	Cover iv
British Rotherm Co., Ltd.	v
British Schering, Ltd.	5
Burge, Warren & Ridgley, Ltd.	26
Burrough, James, Ltd.	Leader Page
Burroughs Wellcome & Co.	27
Calvert, F. C., & Co., Ltd.	4
Carlton Laboratories, Ltd.	ix
Carnegie Chemicals (Welwyn), Ltd.	Cover iii
Carter, H. W., & Co., Ltd.	22
Cartwright, W. B., Ltd.	6
Castle Huskisson, Ltd.	14
Cellon Laboratories, Ltd.	xvii
Cephos, Ltd.	4

No Shortage... No Delay...

IN DISPENSING
BRITISH SCHERING PRODUCTS

Doctor and patient alike appreciate the prompt dispensing of prescriptions. So, surely, does the pharmacist.

Save for very few, all the British Schering products are in full supply.

Our stocks are adequate. Are yours?

British Schering Price List will be sent on receipt of 1d. stamp (paper restrictions)

BRITISH SCHERING LIMITED
167-169 Great Portland Street, W.1
Welbeck 6554 (5 Lines)



INDEX—(contd.)

Heward, R. H., Co.	viii	Pharmaceutical Specialities (May & Baker), Ltd.	Front Cover
Hobson, Trimble & Co., Ltd.	xiv	Pierson Morrell & Co., Ltd.	ii
Jackson, G., & Sons, Ltd.	12	Pomeroy Beauty Preparations	24
Jeffreys, Miller & Co., Ltd.	15	Potter & Clarke, Ltd.	25
Jobling, J. A., & Co., Ltd.	vi	Prideaux Milk Foods, Ltd.	xviii
Johnson & Sons, Manufacturing Chemists, Ltd.	iii	Promedico Products, Ltd.	vii
Johnson & Johnson (G.B.), Ltd.	14	Rabok Manufacturing Co.,	vii
Johnson Agencies (Proprietaries), Ltd.	xii	Ransome, Wm., & Son, Ltd.	20
Kearsley, C. & G., Ltd.	15	Reed Bros. (Engineering), Ltd.	vi
Kellys, J. (London), Ltd.	iv	Rendell, W. J., Ltd.	7
Kemball, Bishop & Co., Ltd.	17	Richter, Gedeon (Great Britain), Ltd.	12
Kemsales, Ltd.	xvii	Rose, J. L., Ltd.	v
Kenrosa, Ltd.	xxi	Sandoz Products, Ltd.	10
Kerfoot, T., & Co., Ltd.	28	Septisol, Ltd.	xxiii
Knox, John	26	Sessions, Wm., Ltd.	26
Lennard Lee-Narvill & Co.	xvii	Sigal, S., & Co., Ltd.	12
Loveluck Edwards & Co.	xx, Leader Page	Simpson, J. W. (Chemist), Ltd.	2
Lusty's Natural Products Co.	Leader Page	Southon Laboratories, Ltd.	15
Macleans, Ltd.	9	Splendor, Ltd.	26
Madelox, Ltd.	xxi	Stretch, Wilfred, & Co., Ltd.	xiv
Manesty Machines, Ltd.	23	Surgical Equipment Supplies, Ltd.	xiii
Marns, T., Ltd.	xviii	Surgical Hosiery Co., Ltd.	13
Mono Containers, Ltd.	x	Suter, A. F., & Co., Ltd.	ii
Monsanto Chemicals, Ltd.	Cover ii	Sutton, W., & Co.	iii
Mosley, D., & Sons, Ltd.	xv	Tampax, Ltd.	viii
Napp, H. R., Ltd.	Leader Page	Tate, Emes & Co., Ltd.	Leader Page
National Glass Works (York), Ltd.	vii	Treece Polish Co., Ltd.	iv
Newball & Mason, Ltd.	xxi	Trade Mark Protection Society	xxi
Oxo, Ltd.	xxii	Tyrer, T., & Co., Ltd.	19
Palestine Potash, Ltd.	iii	Vitamins, Ltd.	xiv
Percenta, Ltd.	xiii	Watford Chemical Co., Ltd.	28
Perken, Son & Co., Ltd.	xiii	Wilson & Mansfield, Ltd.	v
		Wokingham Crepe Paper Co.	xviii
		Zeal, G. H., Ltd.	Cover iv

Public Demand **DOUBLED** in 6 months



Sales the last six months were more than **double** those of the previous half year **and are still soaring!**

With increased National Advertising additional Provincial and local Newspapers also Cinema Displays, stocks should be kept well up to satisfy the growing demand. New attractive and original show material will shortly be available for display.

URILLAC

On the **PATA** Protected List.

SOLE DISTRIBUTORS: W. B. CARTWRIGHT LTD., RAWDON, LEEDS

Counter attraction

A complete window display may not be possible these days, but an attractive display of Rendells Products on your counter will give confidence to regular purchasers and attract new customers who, seeing our advertisements, have become interested in the problems of feminine hygiene.

Display a complete range. They will tell a woman that you stock Rendells Products.

Santron and Silatex are in short supply but Rendells and Mensinole are not restricted.

Rendells

PRODUCTS

FOR FEMININE HYGIENE

RENDELLS
SILATEX
SANTRON
MENSINOLE
RENDELL GELS

P.A.T.A.



W. J. RENDELL LTD., 161, ROSEBERY AVE., LONDON, E.C.1

In the service of Pharmacy

since 1839

ARTHUR H. COX & CO. LTD.

Manufacturing Chemists

BRIGHTON

**PILLS · TABLETS
PACKED SPECIALITIES**



I appeal to you---

“Chemists and druggists everywhere! Unaccustomed though I am to public speaking, I appeal to you on behalf of the hundreds of your potential customers born every day—the babies of Britain! Babies need **BABLETS**, those sweet, harmless, little tablets that help to soothe away teething troubles and other baby upsets—and we expect YOU to supply them!

“Do please stock **BABLETS** always so that no baby ever has to go without in time of need. Take it from me, when all the Mummies see the new **BABLETS** advertisements and films, and the attractive new display cartons on your counter—there’s going to be a big demand!”

N.B. **BABLETS** are invaluable during teething time, and for the relief of constipation, and other simple ailments of children.

You can't lose by stocking **BABLETS**. We guarantee the sale. Order a stock now from your usual wholesaler.

Bablets

PATA.



G. T. FULFORD CO. LTD. (of Canada), HATCH END, Middx.

URGENT

= SHORTAGE OF CONTAINERS

ACUTE STOP

RETURN YOURS QUICKLY

STOP OMISSION MAY

CURTAIN FURTHER

SUPPLIES STOP MACLEANS ++

HOW TO RETURN

MACLEANS CARDBOARD CONTAINERS

FOLLOW THE SIMPLE DIRECTIONS BELOW

1. Fold them flat and tie together with string. (Paper wrapping unnecessary.) Send parcel post. Tuck in flaps where necessary, to keep size within postal regulations. Pack smaller containers inside larger ones. (Four to seven average size containers approximate size allowed.)

2. Use addressed labels received with invoices. Enter cost of postage on Postal Receipt portion of label (which must be date-stamped by Post Office). Detach this Receipt portion and keep it.

3. Postage will be refunded only by our representative when he calls, on surrender of Receipt. This Receipt cannot be accepted for direct credit, and must not be deducted from account.

SANDOZ PRODUCTS LTD.

*Have pleasure in announcing that the
undermentioned products are available
from stock*

BASERGIN

(Ergometrine Tartrate)

Bottles of 10 c.c. oral solution.

BELLADENAL

Tubes of 20 tablets.

Bottles of 100, 250 & 500.

BELLERGA

Bottles of 25, 100, 250 & 1,000.

CALCIBRONAT

Boxes of 5 ampoules of 10 c.c.

CALCIUM SANDOZ

Ampoules.

Boxes 5, 20 & 100 of 10 c.c. 10%

Boxes of 2, 10 & 150 of 5 c.c. 10%

Boxes of 3 & 10 of 2 c.c. 10%

Boxes of 5 & 20 of 10 c.c. 20%

Boxes of 2 & 10 of 5 c.c. 20%

CEDILANID

Bottles of 10 & 100 c.c. oral solution.

Boxes of 6 & 30 of 2 & 4 c.c. ampoules.

DIGILANID

Boxes of 3, 6 & 40 of 2 & 4 c.c.
ampoules.

FELAMINE

Bottles of 50 & 250 tablets.

FEMERGIN

All sizes of tablets, oral solution and
ampoules.

LOBELINE

Boxes of 6 & 100 of ampoules
containing 3 mg. & 10 mg.

NEO-FEMERGIN

Boxes of 3, 6 & 12 of 1 c.c. ampoules.

Bottles of 10 c.c. oral solution.

Bottles of 10 & 50 tablets.

STROPHOSID

Boxes of 3, 6 & 50 ampoules.

Wholesale Distributors :

Messrs. Brooks & Warburton, Ltd.
232-242, Vauxhall Bridge Road, London, S.W.1.

Technical Enquiries :

Sandoz Products Ltd.
134, Wigmore St., London, W.1.



Pharmacist and psychologist — the chemist is both. His customers' purchases not only go into the medical cupboard but sometimes give a glimpse of the skeleton there — troubles which the skill of the pharmacist does its best to overcome.

Customers vary . . .



There's the "NERVY CUSTOMER." You know he is nervy, not so much from his manner as from the specifics he buys. More and more of these people are realising what you, of course, have known for years — that Bengers's, by resting his gastro-intestinal tract as well as his brain in sleep, is going a long way towards a permanent cure for his "nerves." This is constantly stressed in Bengers's widely circulating and repeatedly appearing advertisements. It is rapidly enlarging the range of Bengers sales.

***. . . but you can invariably
sell them*** —————

BENGER'S

**90% of your customers need Bengers's
and are being educated to ask for it.**

GABAIL PRODUCTS

ELIXIR GABAIL

The ideal sedative in all nervous affections

	Retail, including Purchase Tax	Wholesale	Purchase Tax per dozen
Bottle of 187 c.c.	5/-	39/-	6/6
„ 16 oz.	9/6	72/-	12/-

SYRUP PERTUSSIS (Gabail)

An effective medicament for the paroxysms of Whooping Cough

	Retail, including Purchase Tax	Wholesale	Purchase Tax per dozen
Bottle of 4 oz.	3/-	24/-	4/-
„ 16 oz.	9/6	72/-	12/-

Manufactured by The Gabail Laboratories Ltd. (Gabail Ltd.), London, W.C.1

*Ample supplies available through your usual wholesaler or from***THE ANGLO-FRENCH DRUG CO., LTD.**

11-12 Guilford Street, LONDON, W.C.1

PARIVITAN
VITAMIN TONICIS NOW ALSO ISSUED
IN THE FORM OF**TABLETS**

for prescription and counter sale

*issued*Bottles of 30 and 100
retail at 2/6 and 6/2 inc. tax**GEDEON RICHTER (G.B.) Ltd.**
WEEDINGTON ROAD, LONDON, N.W.5

JACKSON'S
FEBRIFUGE
FOR QUICK SALES
Geo. Jackson & Sons, Ltd., Harpurhey, Manchester

ELMBALM Brand 
SPECIALITIES

- In steady demand
- Stocks available
- Dont miss Sales

For Special Terms write: Elmbalm Pharmaceutical Specialities Co., Knott-End-on-Sea, Lancs.

GALJADO
SCURF & DANDRUFF
LOTION

The Original GUARANTEED Tonic
S. SIGAL & CO. LTD.
MANUFACTURERS OF EXCLUSIVE
TOILET PREPARATIONS.
47 TABERNACLE ST., LONDON, E. C. 2





An Apple A Day

... keeps the doctor away — perhaps. As we don't sell apples we are unable to say, but we do make hundreds of products for the dispensing chemist which we believe are better than apples for guarding the health of his customers.

MANUFACTURING CHEMISTS
OFFICE & WORKS: MANSFIELD ROAD, DERBY
'Phone: Derby 4266 (3 lines) 'Grams: Dania, Derby



SUPER SECTO D.D.T. (REGD.) CONTAINING D.D.T./GEIGY. (POWDER & LIQUID)

As Insecticide Specialists for over 40 years—Contractors to H.M. Government during the War and since—you can rely on these products being of the highest quality—resulting in the quickest, as well as the highest, possible kill of all insect pests. They bring maximum sales and REPEAT business.

RETAIL PRICES:

LIQUID . 3/- 6/- 15/-
POWDER . 1/3 & 7/6

Usual Cupal Profit Margins and Discount.

CUPAL Ltd., Mfg. Chemists, BLACKBURN

“SURCO”

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

For special garments to measure we give the best possible service

SURGICAL BELTS TRUSSES AND SUNDRIES

50 years' service of
everything Surgical

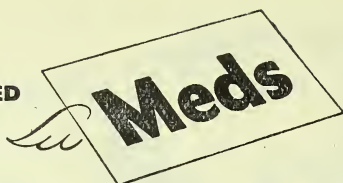
SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm.

THE MAKERS OF Modess

HAVE NOW PRODUCED



the perfect form of sanitary protection worn internally

Meds are a product with which we are glad to associate our name. They were not rushed on to the market the moment a demand for internal sanitary protection (called tampons) was felt. Meds are the result of 5 years of research and clinical experiment and have overcome the disadvantages of other tampons. You can recommend them with complete confidence.

Women will want Meds when they hear about them and an advertising campaign prepared with tact and good taste is now appearing in the press and women's magazines. You can also help business by displaying Meds where circumstances permit.

RETAIL PRICE 1/- PER CARTON
containing 12 separately wrapped Meds.
TRADE PRICE 8/9d. PER DOZ. CARTONS in container.



PERSONAL PRODUCTS, Division of JOHNSON & JOHNSON, (GT. BRITAIN) LTD., WREXHAM AND SLOUGH

Tablets and Pills Packed or Bulk

ASPIRIN

Private formulæ Pills and Tablets carefully and accurately prepared at lowest possible prices.

CASCARA

Latest Automatic Pill Plant.

and all

WE WELCOME
ENQUIRIES

TABLETS and PILLS

CASTLE HUSKISSON LTD.

MANUFACTURING CHEMISTS

SWINTON WORKS, MOON STREET, ISLINGTON

LONDON, N.1

Telephone : Canonbury 3466

ESTABLISHED 1768

The House for TABLETS & PILLS

We manufacture a complete range and supply packed or in bulk... Also we make to private formulæ.

PROPRIETARY REMEDIES PREPARED & PACKED

BULK TABLETS

including

N.F. and N.W.F. lines
supplied in convenient quantities
from 100 upwards

The **COOPER** Laboratory Ltd.

THE SPECIALIST HOUSE
WATFORD



SOUTHON LABORATORIES

There's good business for you in

ESOBACTULIN

PROTECTION AGAINST COLDS

Good business, because Esobactulin Capsules are EFFECTIVE, yet simple to take. 6 capsules taken over 5 days give most people 3 - 4 months immunity from colds.

Supplied in 1 dozen counter display boxes

Complete 5 day course **7/6** (inc. tax) Discount 33 $\frac{1}{2}$ %

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DALES ASPIRIN AND TABLETING CO.
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hundreds of
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give benefit to countless
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women resulting in sub-
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CALCIUM GLUCONATE
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the founders of this firm did real service by supplying drugs free from the then common adulterants, so now by the most up-to-date scientific control StaffAllenS maintain an irreproachable standard in their powdered drugs, liquid and solid extracts, tinctures and other galenicals. For these essential materials leading Manufacturing Chemists and Wholesale Druggists now as always rely on—

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ANOTHER PAGE FROM THE

STERLING

VOLUME

Page 23

*Chemicals***BISMUTH CARBONATE**Formula—approximately $(\text{Bi}_2\text{O}_3\text{CO}_3)_2\text{H}_2\text{O}$.

Properties. A white or creamy white powder, without odour or taste. Insoluble in water, soluble in mineral acids with effervescence. The bulk density varies with the conditions of manufacture.

Standard. Bismuth carbonate should comply with the requirements of the British Pharmacopœia in all respects. It is usually manufactured in three grades of bulk packing density. Light — 11/13 lb. per cubic foot, Medium — 18/24 lb. and Heavy — over 36 lb.

Uses. Bismuth carbonate is prescribed for many forms of gastric disorder and in conjunction with "ant-acids" such as sodium bicarbonate, magnesium carbonate and calcium carbonate, form the mixtures often known as Maclean's Powders widely used for the alkaline treatment of digestive troubles. It is sometimes used in X-ray diagnosis and as a dusting powder.

Packages. 28 lb. parcels, 1 lb. cartons.

Manufacturers: THOMAS TYRER & CO. LTD.
Stratford, London, E.15

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BISMUTH SALTS

CITRATES

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PREPARATIONSETHER
ANÆSTHETIC B.P.
and METHYLATED

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specially grown on our own farms.

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Spirit Soluble; Spirit and Oil Soluble.

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A statement of policy by ADDIS

THE sale of Wisdom and other Addis brushes is now so large that we could probably make a little more profit by selling direct to the retailer through travellers.

We shall not do so for the following reasons :

1. We believe that the wholesale sundriesman performs efficiently and economically a service which is vitally essential to the vast majority of retailers.
2. We believe that the vast majority of retailers share this belief.
3. We consider that the wholesaler can continue to perform his service efficiently and economically only if he has the support of manufacturers of such advertised quick-selling lines as our own.
4. We believe that in the long run it is in our interest to support the wholesaler because he serves your interest.

We ask you therefore to place your order for tooth-brushes with your usual wholesaler. Supplies are still short, but all wholesalers receive a regular allocation and they are co-operating wholeheartedly with us to ensure that every retailer gets his fair and equitable share of the limited quantity available.

ADDIS LIMITED, HERTFORD





The First

Babies, together with nursing and expectant mothers, and invalids, must still come first for Ribena Blackcurrant Syrup. They are most in need of its valuable vitamin C content. It is a Ministry order.

Supplies even for these are scarce, largely owing to the bottle shortage. All our advertising to the general public urges the return of empty bottles to you. Will you kindly accelerate the flow back to the factory by using the same channel and the same route as that by which Ribena reaches you.

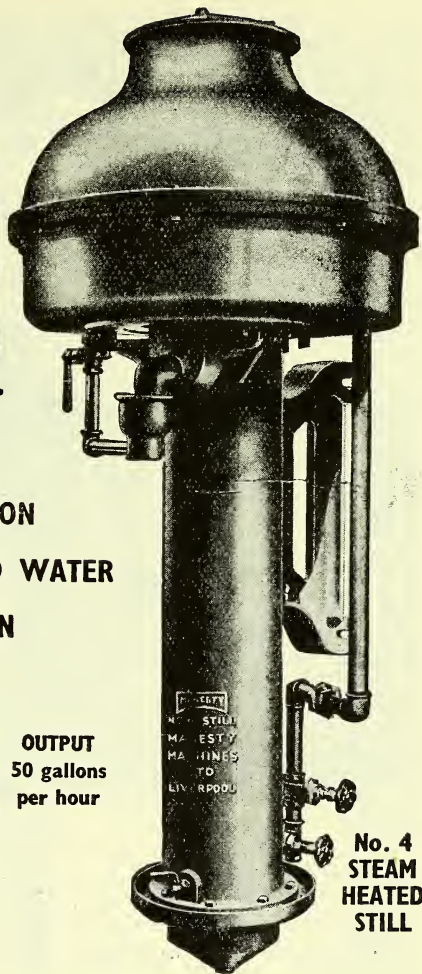
Ribena
BLACKCURRANT SYRUP

(Not less than 20 mg. ascorbic acid per fl. oz.)



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POST-WAR MARKET NEWS

summarising post-war opportunities, special notices, new packaging and new products



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GUMS & LOZENGES

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NELSON, LANCs.

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Incorporating
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A unique combination giving complete and PERMANENT protection from MOTHS and household disinfestation of other insects

D.D.T. kills the MOTH that LAID the EGGS
that produce the GRUB
P.C.S. kills the GRUB that causes the
DAMAGE

D.D.T.+P.C.S.=POMP
(The Anti-Moth Equation)

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MAVINS COURT, FARNHAM, SURREY

DR. KNOX'S GRIPE MIXTURE

Retail 1/3 inc. Tax.
Trade 9/- doz. (+ 16 $\frac{2}{3}$ % Tax)
12 dozen less 5%.

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ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY also
'KUMFEX' SOLUBLE (all with loop ends)

★Supplies unfortunately restricted at present

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'SKETO FAX'

BRAND

INSECT REPELLENT

is being advertised in



**NEWS OF THE WORLD
PEOPLE
SUNDAY DISPATCH
SUNDAY GRAPHIC
SUNDAY PICTORIAL
ILLUSTRATED
PICTURE POST
FIELD**

*and thirty other national publications
appealing to out-door enthusiasts*

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'SKETO FAX' BRAND **LIQUID INSECT REPELLENT** Boxes of 12 capsules 2/6 and 4d. tax.

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For GOOD TABLETS

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WATFORD CHEMICAL PRODUCTS

WATFORD CHEMICAL PRODUCTS

D.D.T. is now freely available. We are able to offer for prompt delivery from stock

D. D. T.

with a guaranteed minimum

80%

of the p.p. isomer

Various strengths of dusting powders are also available and enquiries are invited

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CONTENTS

	Page		Page
A Modern Pharmacy in Australia ...	183	Move to Create "Craft" Union	
Books, New	182	in Pharmacy	170
Business Changes	169	North British Executive	167
Chief Officials of Drug and Pharma- ceutical Organisations	173	Overseas Trade News	187
Cocoa Butter Exports	191	Penicillin Stability	179
Coming Events	169	Personalities	172
Company News	164	Pharmaceutical Society of Great Britain:—Council Meeting	174
Correspondence	186	Proprietary Articles Trade Association	169
Editorial Articles:—		Some Aspects of the Health Bill	184
Suggested New Pharmaceutical Body	177	The Week in Parliament	166
German-Owned Patents	178	Topical Reflections	165
Second Quarter Exports	178	Trade Marks	192
Inquests	186	Trade Notes	168
Legal Reports	163	Trade Report	188

NEWS OF THE WEEK

Permits for Vacuum Flasks.—Permits for vacuum flasks are now being issued from Board of Trade district offices at Sheffield and Hull, for applicants residing in those areas. The addresses are Fargate House, Fargate, Sheffield, and Parliament Chambers, Parliament Street, Hull.

Pharmaceutical Scholarship Winners.—The winners of scholarships for which examinations were held by the Pharmaceutical Society recently were as follows:—Jacob Bell Memorial Scholarship; Margaret Brook Falkingham, Keighley; Leverhulme Scholarships; (1) Thelma Muriel Carr, Newcastle-on-Tyne, (2) Marjorie Clarke, Stockport; Manchester Scholarship, Dorothy Hadfield, Glossop, Derbyshire.

Infant Rusks Not Rationed.—The inclusion in the Bread (Rationing) Order of the word "rusk" in the definition of "cereal filler and crumbs" has given rise to some misunderstanding regarding the position of infant rusks under the rationing scheme. In this connexion the Ministry of Food points out that infant rusks and simi-

lar products at present classified as biscuits are not affected by the bread rationing scheme.

Pharmaceutical Exports to Greece.—According to a report received from a correspondent in Athens all classes of British pharmaceuticals and medical specialities are now free of duty or other restriction on importation into Greece.

"Blitzed Area" Purchase Opposed.—Chemists are among some 600 objectors to the proposed compulsory purchase of Swansea's "blitzed" town centre by the Swansea Corporation under a town and country planning scheme.

North London Penicillin Courses.—Over 120 members of the North London Pharmaceutical Association attended recently lectures and practical periods on the dispensing of penicillin at the Royal Northern Hospital, London, N.7, and the Prince of Wales's General Hospital, Tottenham, London, N.15. The courses were given by Messrs. A. E. Footitt and H. S. Grainger, pharmacists at the hospitals.

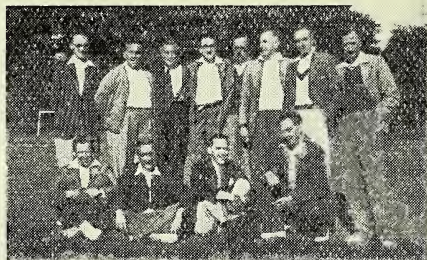
Portraits of Chief Officials.—The series of portraits of "Chief Officials of Drug and Pharmaceutical Organisations" is concluded in this week's issue. We have received many inquiries for reprints of the complete set of twenty-five portraits, which were specially drawn from life for THE CHEMIST AND DRUGGIST, but regret that conditions make it impracticable to meet the demand under prevailing paper supply conditions.

N.I. Poisons Act Lecture.—Mr. J. N. Patterson, pharmacy inspector, gave a lecture in Belfast recently on the Medicines, Pharmacy and Poisons Act, Northern Ireland, 1945, at a meeting arranged by the Council of the Pharmaceutical Society of Northern Ireland. Mr. James McDowell (President of the Society) explained that Mr. Patterson will speak on the same subject in Londonderry, Enniskillen, and other provincial centres.

N.P.U. Branch Reorganised.—At the annual meeting of the Reading Branch of the National Pharmaceutical Union, it was decided to enlarge the scope of the Branch to take in the representation of chemists throughout Berkshire, and to change the branch's name to the "Reading and Berkshire Branch." The membership of the reorganised branch is twice that of the old. The officers elected were:—*Chairman*, Mrs. E. N. Sherwood; *Vice-chairman*, Mr. E. Paine; *Secretary*, Miss L. Croft; *Treasurer*, Mrs. M. A. Palmer. During the evening Mr. R. H. Kemp (local organisations officer of the N.P.U.) gave an address on "The National Health Service and Other Matters." Mr. J. McNeal, (area representative on the N.P.U.) was in the chair.

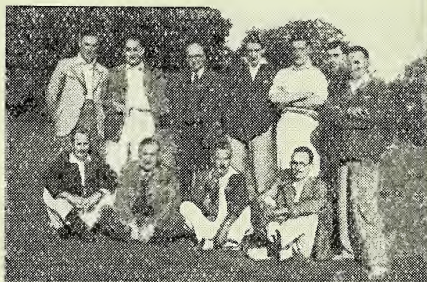
Proposed Fluorine Limits.—The Ministry of Food has under consideration the issue of an Order under Regulation 2 of the Defence (Sale of Food) Regulations, 1943, prescribing limits for the fluorine content of the following foods, ingredients, etc.: calcium acid phosphate and sodium acid pyrophosphate when used for food purposes, 300 parts per million; baking powder and golden raising powder, 100 parts per million; self-raising flour and other food products containing aerating ingredients, 8 parts per million. Comments on these proposals are invited, and should reach the Ministry of Food, Miscellaneous Food Products Division, 39-40 Portman Square, London, W.1, not later than August 31, 1946. The proposed Order is the result of a recommendation which has been made on Food Standards by the Inter-Departmental Committee.

Hants Chemists' Cricket.—A cricket match between the Southampton and Bournemouth branches of the Pharmaceut



THE BOURNEMOUTH TEAM: *Seated* Messrs. Hammond, Bingham, Ridehalg and Cutler; *Standing*: Messrs. Rossite Fay, Light, Barnett, Whittaker, D. Jones and J. Jones and Sheppard.

cal Society was played recently in the grounds of Castle Malwood, Hinstead Hants, the residence of Mr. David Harbory. Bournemouth, who batted first, were



THE SOUTHAMPTON TEAM: *Seated* Messrs. Bassil, Newton, Steel and Tuckley *Standing*: Messrs. Swan, Morris, F. R. Alderwick, Lawson, Winsor, Guy and T. W. Alderwick.

all out for 25, and the match ended in a win for Southampton with a score of 5 for 8 wickets.

Manchester Chemists' Golf.—The annual competition of the Manchester Pharmaceutical Golfing Society for prize presented by Robinson & Sons, Ltd. Chesterfield, was played at Reddish Vale Golf Club recently. The competition was a four-ball match played under Stakeford rules, the winners being:— Messrs. Finney and Hall, 41; and Messrs Baines and Stevenson, 37 points. Messrs. Ashmore and Hay congratulated the winners on behalf of Robinson & Sons, Ltd.

Ire Examination Results.—The following candidates were successful at the July Assistants' examination held by the Pharmaceutical Society of Ireland: Benjamin R. Bailey, Daniel J. Browne, John J. Corbett, Sheila Donovan, Anna G. Dorrian, Patrick Desmond J. Drugan, John Fitzgibbon, Catherine Angela Foley, James E. Fox, Thomas Gabriel Fullam, Mary Theresa Garvey, Patrick Gerard Garahy, Charlotte P. Keeney, Mary Lynch, Annie Mary J. MacArdle, Kathleen C. McCarthy, Eveleen Mary McMahan, James H. Magee, John Maher, Mary Patricia Murphy, John J. Natin, Jean Margaret Nicell, Eibhlin

O'Beirne, Jeremiah O'Callaghan, Thomas O'Dwyer, Thomas Kieran O'Keefe, Timothy Reginald Power, Muredach Gilla Reilly, Patrick Malacy Ryder, Margaret Mary Timmons, Maurice J. Tooney, Michael White.

Course for Nursing Orderlies.—The Minister of Health, with the agreement of the General Nursing Council, is arranging intensive courses of training to enable men and women ex-Service nursing orderlies, to qualify in one year as State Registered Nurses. Candidates must have had not less than two years' nursing experience and training in hospitals.

LEGAL REPORTS

Pharmacy Act Offences.—At Birmingham on August 1, E. J. Bates & Co., Ltd., Bordesley Green, Birmingham, were fined £19, with £3 3s. costs for selling two preparations containing poison, and Andrew Buchan, Lozells Road, £2, with £2 2s. costs, for selling one preparation containing poison without the supervision of a qualified pharmacist.

"Cocktail Tonic" Summonses Dismissed.—Costs of £21 against Dudley Corporation were awarded to a local firm at Dudley court recently. Following the sale of a bottle of "Cupid Bow cocktail tonic", Vinecta Products, Ltd., Wellington Road, Dewsbury, Yorks (the manufacturers), and Henry Wood & Son, Ltd., 46 High Street, Dudley, Worcs, who sold the article, were summoned for a breach of the Defence (Sale of Food) Regulation. For the prosecution, it was alleged that the label on the bottle tended to mislead people as to the contents. Under the words "Cocktail tonic" on the label were the words "non-alcoholic" in very small letters. It was contended that the word cocktail suggested that there was a proportion of alcohol in the mixture, whereas analysis revealed that it was 98.7 per cent. water with no alcohol. Both summonses were dismissed, and opinion was expressed from the Bench that they thought the right course would have been to have gone direct against the manufacturer. Accordingly the Dudley firm was awarded £21 costs. No order for costs was made with regard to the manufacturer. For Messrs. Wood it was submitted that they had a warranty from the manufacturers that the product conformed with all statutory regulations. An objection was raised by the solicitor to the Corporation, whose action was brought with the authority of the Ministry of Food, to costs being given against the Corporation. He suggested the

Bench had at least found a *prima facie* case which had justified the action of the Corporation.

Zinc in Gelatin.—At South-western magistrate's court, London, on July 22, Economic Utilities, Ltd., Westcombe House, Whitcomb Street, W.C.2, were summoned by the Battersea borough council for giving a false warranty in writing to Tableen, Ltd., Brook House, Torrington Place, W.C.1, in respect of gelatin sold by them. A plea of not guilty was entered. For the borough council it was stated that gelatin purchased by the council's sampling officer from Darby's Pharmacy, Falcon Road, Battersea, was certified by the public analyst to contain 300 parts per million of zinc. The council found that the chemist had bought it from Tableen, Ltd., with a written warranty, and that Tableen, Ltd., had bought it from Economic Utilities, Ltd. Defendant company bought it with a warranty, but declined to show from whom. A public analyst said zinc was not tolerated under the preservative regulations, but it had been agreed that, if less than 100 parts per million were found, the public analyst would advise that no action should be taken. Paul Fisher, a director of Economic Utilities, Ltd., said they were general wholesale dealers in groceries, including edible gelatin. They had been supplied with the gelatin by Robert Pinters with a warranty, but Pinters sent it to London to be ground to powder. He received from Pinters an analysis of the gelatin showing eighty parts of zinc per million. He could only assume that the gelatin supplied by Darby's was not that supplied by his firm. He had no idea that gelatin supplied by his firm contained more than 100 parts per million of zinc. The magistrate found the case proved and imposed a fine of £3 on each of two summonses, with £6 6s. costs,

COMPANY NEWS

H. V. SYKES, LTD. (P.C.).—Capital £5,000. To acquire the business of a chemist carried on by J. Smith at 137 Meanwood Road, Leeds, 7. Joseph Smith and Stanley Abbott, directors. R.O.: As above.

LAWRENSON'S, LTD. (P.C.).—Capital £4,000. Manufacturers of mineral and aerated waters, etc. Albert Lawrenson and John Leeming, directors. R.O.: 20 Manor Road, Altrincham, Ches.

R. H. PARKER (CHEMISTS), LTD. (P.C.).—Capital £100. Chemists, etc. Emily F., Ursula M., and Robert L. Lownsbrough, and Rosemary M. Dalton, directors. R.O.: 35 Clifton Road, Maida Vale, London, W.9.

MASONS (CHEMISTS), LTD. (P.C.).—Capital £1,000. To acquire the business of a chemist carried on by Arthur Mason at 30 Norfolk Street, Cambridge. Arthur, Kenneth G., and Mrs. F. M. Mason, directors.

ETON SURGICAL INSTRUMENT CO., LTD. (P.C.).—Capital £1,000. Manufacturers of surgical instruments, etc. Alfred Kohn, and Robert V. Brown, directors. R.O.: 14b South Hill Road, London, N.W.3.

ANGLO-EUROPEAN OVERSEAS, LTD. (P.C.).—Capital £100. Manufacturers, importers, exporters and factors of and wholesale and retail dealers in chemicals, drugs, disinfectants, etc. Arthur Schwarz, 77 St. Gabriels Road, London, N.W.2, director.

SHELL CHEMICAL DISTRIBUTING CO., LTD. (P.C.).—Capital £100. Merchants, manufacturers and concessionaires in connexion with goods, including chemical or scientific preparations, etc. Directors to be appointed. Solicitors: Waltons & Co., 101 Leadenhall Street, London, E.C.3.

W. S. TAYLOR, LTD. (P.C.).—Registered in Belfast. Capital £5,000. To acquire the business of a pharmaceutical chemist, optician, etc., carried on as W. S. Taylor, at Townhall Street, Enniskillen. W. S., and Cecil L. J. Taylor, directors. R.O.: 6 Townhall Street, Enniskillen.

BRITALIA, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in raw and manufactured chemicals, essential oils, toilet preparations, etc. William O. Morgan, Arthur W. Anderson, John G. Fairweather, Ambrose H. White and Phyllis M. Morgan, directors. R.O.: 196 High Street, Bromley, Kent.

WESTMACOTT'S PHARMACY, LTD. (P.C.).—Capital £5,000. To acquire the business of a retail chemist carried on by George L. Westmacott at 17 Market Street, Manchester, as "Westmacott & Son." G. L. Westmacott, Norman A. Millar, Francis G. Lloyd, and Sidney Ainsworth, directors. Solicitor: Harold P. Hardman, Manchester.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD.—Mr. W. A. Stewart, M.P.S. has been appointed to the Board. (See p. 172.)

HOWARDS & SONS, LTD.—Mr. G. C. Mann and Mr. J. A. E. Howard have been appointed directors. Mr. Mann has been connected with the export side of the business since 1925 and will continue in his present position as commercial manager, with Mr. J. A. E. Howard as his assistant. Mr. J. A. E. Howard, eldest son of Mr. Geoffrey Howard, chairman of the company, joined the firm early in 1938. Soon after the outbreak of war he joined the Army and was released last year after having been a prisoner of war in Germany for nearly five years.

R. HOVENDEN & SONS, LTD.—Trading profit for year ended January 5 amounted to £61,828, against £52,181 in the previous year. Dividend on ordinary shares is 10 per cent. (same); £39,559 (£39,353) is carried forward.

SANGERS, LTD.—Directors' report for the year ended March 31 shows net profit on trading, including dividends, interest receivable and transfer fees, at £266,036. To this sum is added the balance from March 31, 1945, of £227,502, less final dividend on ordinary stock of 15 per cent. (less tax) paid August 18, 1945, leaving £448,332. The directors have allocated £120,460 to income tax and paid dividends (less tax) on 5½ per cent. preference stock 7½ per cent. preference stock, and interim dividend of 10 per cent. on the ordinary stock. £19,242 has been transferred to contingencies reserves and £10,000 to reduction of goodwill. The directors recommend that the balance of £249,216 should be appropriated as follows: To pay a final dividend of 15 per cent. (less tax) on the ordinary stock (making with the interim referred to above a total of 25 per cent.), and a Victory bonus of 5 per cent. (less tax) for the year ended March 31. The balance to be carried forward is £182,913. Mr. A. D. Hill retires and being eligible, offers himself for re-election.

TOPICAL REFLECTIONS

Research and Universities

The report of the Committee on the Provision for Social and Economic Research (p. 131) adds another to the already considerable list of recent pronouncements on research of different kinds. Your three editorial articles in 1944 on the Nuffield College conference dealt specially, though not exclusively, with the relation between scientific and industrial research as it is undertaken in universities and elsewhere. The connection between research in science, in industry and in economics is evident, and the interest of pharmacy in all these types is equally evident. In two successive years British Governments, usually slow to move in such matters, have raised the Exchequer grant to our universities—a fact that may be regarded as a measure of the general interest in this vital provision for better citizenship. The increase in the available funds places on the University Grants Committee the responsibility of ensuring that the money is spent to the best advantage. Writing in *The Times* of August 1, Sir Ernest Simon, chairman of the Council of Manchester University, expressed the opinion that the committee needs overhauling in two respects, first by the provision of a much larger secretariat, and secondly by modifying the *personnel* so as to include more members from professions, industry and commerce.

Practical Difficulties

In the article just referred to Sir Ernest Simon cited his own university as an illustration of the problems which confront some, and perhaps most, British universities in beginning to prepare for expansion. "We have still much to do in the improvement of conditions. Nine history lecturers are crowded into three small rooms. None of our science departments is as yet adequately staffed or equipped to enable the members of the staff to do their best research. Many of our buildings are out of date and must be replaced. In addition to putting these things right, we must expect to be asked at least to double the number of students we had before the war." It may be remembered that a recent Government report recommended doubling the present output of university scientists at the earliest possible date. It is regarded as certain that the demand for graduates in medicine, science, education and other spheres will remain urgent for some years; hence the need for a long-term policy. Another

point to be borne in mind is the necessity of leadership. People with card-index minds can do only card-index work with success. The conclusion of the whole matter is that this country cannot afford to fall behind in the world-wide competition for higher standards, intellectual as well as material. The process of raising standards will be expensive; but the outlook is favourable provided the governments do not interfere with the management of the internal affairs of the universities. One of the reports just referred to, known as the Barlow report, states: "There is clearly an ample reserve of intelligence in the country to allow both a doubling of the university numbers and at the same time a raising of standards."

Health Services Bill

One aspect of the National Health Service Bill, as it now stands, has not, in my view, been given the attention it deserves. I refer to the absence of any provision for appeal to the High Court in disciplinary disputes. It is true that the motion for the rejection of the Bill on its third reading in the House of Commons (p. 140), proposed by Mr. Hugh N. Linstead, included the criticism that the Bill dangerously increases ministerial power and patronage. But a general statement of the kind does not suffice; and it may be hoped that when the Bill reaches the House of Lords the point I have mentioned will form the subject-matter of an amendment. In this country we have no desire either for the introduction of the "droit administratif" or for the reintroduction of the Star Chamber. At various times the High Court has been called upon to decide whether a regulation issued by a minister was *ultra vires* or not. It is of great importance that so fundamental a right of every citizen should not be denied by an Act of Parliament. No one can foresee what kinds of people may turn up as Ministers of Health, and I trust that every effort will be made to obtain the insertion of a provision for the type of appeal referred to. Not only medicine but also pharmacy, dentistry and, I suggest, nursing, are entitled to this safeguard. Some members of the British Medical Association have, I notice, taken exception to the conferring of this autocratic power on the Minister: it is no answer to such protests, to say that a similar system has been in force under the National Health Insurance Acts.

Xrayser

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

IN reply to questions on the possibility of obtaining more potash from the British zone of Germany, SIR STAFFORD CRIPPS said on July 29 that world supplies of fertilisers in the year ended June 30, 1946, were allocated among consuming countries by the Combined Food Board in Washington, and supplies for the current season had been allocated by the International Emergency Food Council. Under this latter allocation all potash produced in the British zone of Germany would be retained for use within the zone, but the United Kingdom would be entitled to obtain from other sources a quantity sufficient to cover its estimated requirements. Every effort would, of course, be made to do so.

Coupon-Free Protective Garments

Colonel Sharp asked the President of the Board of Trade whether he would enable qualified members of the medical and ancillary professions who, in the interests of public hygiene, were obliged to wear protective gowns and overalls for their work, to obtain these garments coupon free. SIR STAFFORD CRIPPS: Yes. As from a date in August, private practitioners in these professions will be able to buy a limited number of overalls, in the case of doctors, operating gowns, without surrendering their personal coupons.

Question on Soap Substitutes

On July 31 soap substitutes were the basis of a question from MR. WILLIAM SHEPHERD, who referred to this matter in the recent debate on soap rationing. Mr. Shepherd asked the Minister of Food why it was that the largest manufacturers of the basic material for soapless detergents were required to export so much of their production as to cause them to lessen supplies to the domestic market; and if he would state what action he proposed to take. MR. STRACHEY: While the present soap shortage lasts, exports of the raw material for soap substitutes will, as from August 15 be restricted to token quantities. MR. JOYNSON-HICKS: Does that mean that more soapless detergents will become available to the hairdressing trade? MR. STRACHEY: More soap substitutes in general will become available.

Importation of Streptomycin

Streptomycin was the subject of questions on August 1. MR. T. J. BROOKS asked the

Minister of Health "in view of the serious incidence of new cases of tuberculosis and the high death rate associated with this disease, what steps are being taken to import supplies of the drug streptomycin from the United States, and what efforts are being made for its manufacture in this country?"

MR. ANEURIN BEVAN: I am informed that American production of streptomycin is too small to permit export to this country. Arrangements are being made with the Ministry of Supply and the Medical Research Council to set on foot the manufacture in Great Britain of sufficient streptomycin for adequate clinical trials.

MR. BROOKS: Is the Minister aware that the person who inspired this question is already suffering in a sanatorium and is very anxious to get this treatment?

MR. BEVAN: I am very anxious that before this drug is adopted it shall be clinically tried out, and that all that is claimed for it shall be established. That is now being done.

DR. MORGAN: Will the Minister see that the testing of this excellent drug is done in a more widespread manner than is usually available within the offices of the Medical Research Council?

MR. BEVAN replied that he thought the Medical Research Council were perfectly competent to carry out these trials.

DR. STEPHEN TAYLOR: Can the Minister say whether the American manufacturing firm concerned has revealed the method of manufacture, or have we to work that out ourselves?

MR. BEVAN replied that he could not give the answer to that question at that moment, and asked for a question to be tabled.

MR. J. LEWIS asked the Minister of Supply the price at which penicillin was supplied by the manufacturers and if any price agreement exists between them; also which firms were engaged on the manufacture of penicillin in this country and the output of each concern during May and June.

MR. LEONARD: Glaxo Laboratories, Ltd., operating commercially, and the Distillers Co., Ltd., operating a Government factory as agents for the Ministry of Supply, are the main producers of penicillin in this country. Production on a smaller scale is undertaken by Boots, Ltd., Imperial Chemical Industries, Ltd. and Kemball Bishop & Co. The great bulk of the output of

these concerns is purchased by the Ministry of Supply, and it would be contrary to established practice to disclose details of the contracts. There is no price agreement among the manufacturers.

MR. LEWIS asked what restrictions there were on firms not previously engaged in the production of penicillin who now wished to do so.

MR. LEONARD: None, other than the normal requirement of compliance with the Therapeutic Substances Act if the penicillin is to be used for injection.

Labelling of D.D.T.

COLONEL HUTCHISON asked the Minister of Supply whether he was aware that the surplus Government stocks of D.D.T., which was widely advertised as being sold by chemists, had no wording on the package

to show that it must be used with care and that several cases had recently been treated in hospital for maladies resulting from the use of this insecticide and what steps he was taking to meet this situation.

MR. WOODBURN replied by referring Colonel Hutchison to a previous reply in which the Minister of Health stated: I am advised that, according to present knowledge, there is little risk attaching to the use of D.D.T. in the form in which it is commonly used, namely as a powder or a water-suspension. Further investigations are proceeding into the toxicity of D.D.T. in oily solution. In any form D.D.T. should be kept away from food since, taken internally, it is harmful. MR. WOODBURN added that the only sale of surplus Government stocks by the Ministry of Supply was, in fact, made to one of the original manufacturing firms.

NORTH BRITISH EXECUTIVE

A MEETING of the executive of the North British Branch of the Pharmaceutical Society was held in Edinburgh on July 24, Mr. John Anderson in the Chair.

THE CHAIRMAN said that the Executive had to note with regret the passing of Mr. David Harley. After retiring from the Executive two years ago, Mr. Harley did not lose his interest in pharmaceutical affairs, and it had been a pleasure to meet him at evening meetings. He had been a member of the Executive for fifteen years, and had filled the position of Chairman with "efficiency and dignity". MESSRS. BEATTIE, GUTHRIE, TAINSH and DR. TAIT asked to be associated with the remarks of the Chairman.

THE CHAIRMAN welcomed the two new members of the Executive and reported that the Executive was about to lose the services of Miss Cordery and the Executive sent its best wishes for her new venture overseas.

Officers and Committees

Mr. Alexander Murray, Glasgow, was elected *Chairman*, and Mr. W. A. Beattie, Edinburgh, *Vice-Chairman*. The following committees were appointed: *General Purposes Committee*:—The Chairman, Vice-chairman, Messrs. Anderson, Culbert, Drummond, Gilmour and McAdam. *Committee for the Nomination of Examiners*:—The Chairman, Vice-chairman, Messrs. Anderson, Guthrie, and Meldrum. *Education Committee*:—The Chairman, Vice-chairman, Messrs. Cowie, Drummond, Lamb, Macfarlane and Meldrum. *Parliamentary Committee*:—The Chairman,

Vice-chairman, Messrs. Coutts, Culbert, Currie, MacDonald and Tainsh. *Committee of Inquiry*:—The Chairman, Vice-chairman, Messrs. Coutts, Culbert, Drummond, Guthrie, and Miller.

It was agreed that the Branches should be communicated with as to whether a Branch Representative Meeting should be held on the afternoon of the annual meeting in June 1947.

Benevolent Fund

The hope was expressed that divisional secretaries in Edinburgh, where Benevolent Fund subscriptions were collected personally, would be able to resume shortly visiting their districts.

MR. MELDRUM said that there was no means whereby any specialised subscriptions could be used for the purpose of supporting Birdsgrove House Convalescent Home. There was a crying need for certain furnishings and furniture, and whereas gifts in kind could definitely go to Birdsgrove House, cash subscriptions had to go to the general fund. The house was being fully occupied, with an average of twenty people.

MR. BENNETT advised pharmacists to visit Birdsgrove House which, he said, was a credit to pharmacy.

THE RESIDENT SECRETARY reported that the President had expressed a wish to attend the October examinations.

It was agreed to send greetings to Mr. D. L. Kirkpatrick who had recently retired from his position as Secretary to the Pharmaceutical Society of Northern Ireland.

TRADE NOTES

Increase in Prices.—Retail prices for all packs of Bovril have been increased. Details are given in this issue.

Price Increase.—The retail selling price of Nostroline nasal remedy has been increased as from August 1. New terms are given elsewhere in this issue.

Supplies of Chlorophyll.—William Ransom & Son, Ltd., Hitchin, Herts, offer various grades of this product manufactured from materials grown on their own farms.

Sketofax Insect Repellent.—This seasonal product is being widely advertised in the national press by the makers, Burroughs, Wellcome & Co., London. Showcards and window slips are now available.

A New Electric Sterilizer.—Surgical Equipment Supplies, Ltd., Westfields Road, London, W.3, give details in this issue of their sterilizer marketed under the trade name of "Surqualet".

Graduated Glassware.—Jame A. Jobling & Co., Ltd., Wear Glass Works, Sunderland, makers of Pyrex, give details in this issue of some of their glassware for everyday work in the laboratory.

Medicinal Snuff.—Put up in a counter display box Besorbon medicinal snuff is made by Kemsales, Ltd., 20 Eastcheap, London, E.C. Details elsewhere in this issue.

Non-Spill Powder Compact.—An all-metal compact, from which it is claimed the powder cannot escape, is offered by Madelox, Ltd., 168, Corporation Street, Manchester.

Call for Return of Containers.—With an acute shortage retailers are urgently requested by Macleans, Ltd., Great West Road, Brentford, Middx, to return all available cardboard containers.

Vola Seltzer Show Card.—Details are given in this issue of the offer of a modern show card to promote sales of Vola Seltzer, which is distributed by Johnson Agencies (Proprietaries), Ltd., Clarendon Works, Croydon.

Rubber Hot-water Bottles.—David Moseley and Sons, Ltd., Ardwick, Manchester, 12, announce that supplies of their Moseley lines, including hot-water bottles, rubber tubing and sheeting, will soon be available again to retailers.

Packing of Own-name Products.—An offer to chemists to pack, or to manufacture and pack, any quantities of own-name

specialists, is made by T. J. Favell & Co. Ltd., manufacturing chemists, 192 Sever Sisters Road, London, N.4.

Show Material.—An attractive meta showcard over-printed in colours has been issued for Tampax ("sanitary protector worn internally") by the makers, Tampax Ltd., 110 Jermyn Street, London, S.W.1. The showcard may be obtained by chemists on request to the manufacturers.

Incorrect Price.—In the advertisement of D.M.P. Midge Cream by Duncan, Flockhart & Co., Edinburgh & London (*C. & D.*, August 3, p. 10), the price per doz. was given incorrectly: the correct price is 10s. per doz.

Distribution in Canada.—A copy of a monthly bulletin, "Economic and Business Trends," giving information on recent industrial and commercial developments in Canada, is available to chemists from Cockfield, Brown & Co., Ltd., Canada Cement Co. Building, Montreal, Canada.

Oil-in-Water Emulsifier.—Cyclo Chemicals, Ltd., Manfield House, Strand, London, W.C.2, offer Cyclochem EM 4/76 as a general emulsifier for all kinds of preparations having an oil-in-water basis. A 24-page handbook, "Cyclochem Self-emulsifying Waxes," is available.

Anti-midge Cream.—Duncan, Flockhart & Co., Edinburgh, have introduced D.M.P. midge cream, prepared to the formula of the Department of Health for Scotland. The preparation, which is officially approved, is exempt from purchase tax and is issued in 2-oz. jars.

War Record.—A 28-page booklet entitled "A Miracle at the Crown Chemical Works" has been issued by Kembal, Bishop and Co., Ltd., 3 Mill Lane, Bromley-by-Bow, London, E. 3, in praise of the work of the company's staff during the difficult period of the war years. The booklet includes the names of those who gave assistance in air-raid precautions work at the company's factory.

Penicillin Preparations Available.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce that they are now in a position to supply from stock the following B.P. Penicillin preparations: Cream base B.P. (Non-Sterile); Suspension (oily injection of penicillin B.P.) in 10 c.c. vials; ointment B.P.; eye ointment B.P. in 5 gram tubes, and lozenges B.P. in tubes of 20.

Not Rationed.—Glaxo Laboratories, Ltd., Greenford, Middlesex, state that Farex is not included in the points rationing scheme. There is no change in the conditions that governed its sale during the war. Raw material has been allocated by the Ministry of Food on the understanding that Farex will be sold only as a food for infants; it is recognised that Farex may be used as an invalid food in special cases, such as gastric or duodenal ulcer.

Shaving Cream Sources.—It is pointed out by Razvite, Ltd., London, that offers are being made to wholesalers and retailers of supplies of Razvite shaving cream from Army Surplus Stores. Some of the cream is three or four years old and in war emergency containers. The condition of the supplies may be poor, and the makers advise that the preparation should be bought only through regular wholesalers or direct from the sole distributors: Chemical and Natural Products, Ltd., Wimbledon Factory Estate, Morden Road, London, S.W.19.

Five-Day Week Adopted.—The directors of The British Drug Houses, Ltd., announce the introduction of a five-day week, which will operate from Monday, August 19. It will apply throughout the offices, warehouses and factories in London and the B.D.H. distributing depots in Nottingham and Liverpool. A skeleton service for the despatch of medical supplies required in an emergency will operate from London on Saturdays before noon and customers are reminded that any B.D.H. medical products that are urgently wanted after business hours can be obtained from John Bell & Croyden, 50-52 Wigmore Street, London, W.1.

The C. & D. at Utrecht Fair.—THE CHEMIST AND DRUGGIST and the C. & D. EXPORT REVIEW and their associated trade and technical journals and publications have reserved exhibition space at the autumn trade fair to be held at Utrecht, Holland, from September 10 to 19. The C. & D. stand will be in charge of the company's representative in Holland (Mr. S. H. Hartog), who will be pleased to receive visitors, answer inquiries and accept subscription orders. The following travel and accommodation facilities have been arranged by Mr. Hartog and are available to C. & D. advertisers and readers who intend to visit Holland and Utrecht. Tour No. 1: Depart London Monday evening, September 9; return London Sunday morning, September 15 (£18 10s.). Tour No. 2: Depart London Friday evening, September

13; return London Friday morning, September 20 (£19 10s.). The six-day and seven-day tours include second-class return rail, Liverpool to Harwich; first-class cabin return, Harwich to Hook of Holland, and second-class rail return, Hook of Holland to Amsterdam, with bed and breakfast at the Victoria Hotel, Amsterdam. Further inquiries should be addressed to the Publisher, THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, London, W.C.2. (Telephone: Central 6565) not later than August 16.

Proprietary Articles Trade Association

Additions to the Protected List.—*Portland Plastics, Ltd.*, "Portex" medicated plastic skin, tubes, 1s. 6d., 12s. doz., tax 2s. doz., i.r.p., 1s. 8d.; bottles, 1s. 6d., 12s. doz., tax 2s. doz., i.r.p., 1s. 8d. 3s., 24s. doz., tax 4s. doz., i.r.p., 3s. 4d. 9s., 72s. doz., tax 12s. doz., i.r.p., 10s. 21s., 168s. doz., tax 28s. doz., i.r.p., 23s. 4d.

Ralsouris, Ltd., Ris/DDT powder insecticide, 3s., 25s. doz., 1s. 9d. size, 15s. doz. Ris/Gammexane powder insecticide, 3s., 25s. doz., 1s. 9d. size, 15s. doz. Exempt from tax.

BUSINESS CHANGES

GEORGE HIGGINS & Co., LTD., wholesale druggists' sundriesmen, have removed to new premises at 77-79 Westbridge Road, London, S.W.11.

CHORLEY CO-OPERATIVE SOCIETY, LTD., has opened a pharmacy at 74 Market Street, Chorley, Lancs.

LEDA CHEMICALS, LTD., 94 Archway Road, London, N.19, state that the company's new telephone numbers are Archway 4877-78-79.

MR. J. A. COOK, M.P.S., has purchased the business of Henry Chapman & Sons, 52 Newborough, Scarborough. Mr. Edgar M. Chapman, M.P.S., is continuing in business at 76 Falsgrave Road, which is now the only address of Henry Chapman & Sons.

MAY PARKER & SANDIFORD, LTD., Westminster Bank Chambers, Harrow, Middlesex, has purchased from the liquidators the goodwill of the business lately known as Toilet Traders Supplies (Barlow), Ltd., 58-62 Folgate Street, London E.1.

COMING EVENT

Sunday, August 18

MANGHESTER PHARMACEUTICAL ASSOCIATION.
Ramble to Chinley, Kettlethulme, and Bollington.
Meet at Central station 8.45 a.m. Book Chinley return.

MOVE TO CREATE "CRAFT" UNION IN PHARMACY

A MEETING of pharmacists present by invitation of Dr. R. Clitherow, M.P., M.P.S., was held at the House of Commons on July 31. The invitations had been mostly sent to branch secretaries. According to the voting at the later stage of the meeting there were present sixty-seven pharmacists; a number of letters from provincial secretaries were also referred to. Opening the proceedings Dr. Clitherow asked the meeting to allow Dr. Welply (general secretary, Medical Practitioners' Union) to preside. This was agreed, and DR. WELPLY explained that he was authorised by his Union to open negotiations with pharmacists as a result of a resolution that had been unanimously passed at a full meeting of his members. The resolution was in the following terms:—

That the council [of the Medical Practitioners' Union] should consider whether it is possible and practicable to confer with representatives of dentists, chemists, nurses and others who will, either in an executive or administrative capacity, take an important and active part in relation to the proposed National Health Service with a view to

(a) the formation of registered trade unions for each profession or branch of the service,

(b) co-operating with such bodies to achieve that object; and

(c) formulating plans for mutual help and to this end seeking the co-operation of the Trades Union Congress if thought fit.

DR. WELPLY said he was not authorised to bring his union into any relationship with other bodies without the consent of his council, but merely to explore the position. The Medical Practitioners' Union had been formed in 1914 and was registered under the Friendly Societies Act, being thus a trade union. It was not a Party-political body, but was solely concerned with the welfare of the community and the profession. The view of its members was that no good National Health Service could be created without co-operation between all professional participants in the scheme.

DR. CLITHEROW then addressed the meeting. He dealt in turn with the limitations of the Pharmaceutical Society, National Pharmaceutical Union, and existing trade unions and professional organisations in pharmacy. The resolution, he said, was "merely the flash-point of an idea that had been present in the minds of many pharmacists for many years". In the nego-

tiations over a National Health Service, a trade union on a craft basis would, he was convinced, command much more respect than any other body. His proposal was for an all-embracing trade union excluding non-pharmacists and working closely with other craft unions.

The Pharmaceutical Society was becoming more and more an instrument of Parliament rather than a servant of pharmacists, and was no longer, he declared, carrying out the intentions of its founders. It could not take the initiative in any other matters than questions involving the qualification. The National Pharmaceutical Union had been conceived out of the Jenkin case, and was of the greatest value to practising pharmacists; he would be the last to do it any harm, but it was becoming more and more difficult for those who passed the examination to set up in business as self-employed pharmacists. The union, he said, covered about 7,000 individuals and small multiples.

Certain trade unions catered for employee pharmacists, but he understood that their total membership amounted to about 1,200, while neither of the two principal unions could be considered a "craft" union. Pharmaceutical membership of a third, the Association of Scientific Workers, which appeared to be favoured at Bloomsbury Square, did not amount to more than ninety pharmacists, the majority of them employed in laboratories; the union also included technicians whose admission was gained by experience, not qualification. Lastly, the Guild of Public Pharmacists covered a specialised field but was not a trade union and was entirely confined to hospital pharmacists.

It had been recognised in the report of the Committee of Inquiry set up by the Pharmaceutical Society in 1937 that such a multiplication of organisations was a danger to the common interests of pharmacy. What was needed was a body (a) devoted to economic interests, (b) prepared to take the initiative and (c) prepared to work with the Society and National Pharmaceutical Union in the interests of pharmacists at large.

Questions and Comments

MR. EVANS, Cardiff, suggested that the Joint Committee already represented all sections of pharmacy and had secured the ear of the Minister of Health. What, then, was the advantage of a new body?

MR. ARMITAGE, Barnet, maintained that

the proposed new body would not impinge upon the functions of the Joint Committee, which, however, was an ephemeral body whereas the proposed union would be a stable organisation.

MR. SPENCER, North London, hoped pharmacists would not this time let go their opportunity. He made reference to the "lamentable end" of a meeting called for a similar purpose three years previously.

Difficulties Facing New Body

Stating that he came as one who had had to give a great deal of attention to problems of the kind before the meeting, MR. HUGH N. LINSTAD (secretary, Pharmaceutical Society) put forward two difficulties in the way of the new organisation, which, he said had "undoubtedly got to come". The first was a doubt whether it were possible to combine in one body the interests of proprietors and employees, and the second that the proposals excluded the companies, who were largely concerned in operating a National Health Service. He realised that there was no easy solution to these problems, but suggested that it was no solution to take in all members of the Society. His view was that, on balance, the advantage was not with a "craft" union but with "two vertical set-ups" in which the companies could fit. He also joined issue with Dr. Clitherow on the question of associating with the Trades Union Congress.

MR. KING, Walthamstow, saw no reason why company managers should not co-operate with the proposed new body. Messrs. BANKS, Ruislip, and GREENWOOD, Chesterfield, supported the proposals.

MR. BEN SMITH (an official of the Association of Scientific Workers) said there was no hope for the new body of affiliation with the T.U.C. without the prior agreement of the other unions concerned. He advocated "unity by persuasion", and urged that the aim should be reached by stages rather than by a decision taken that evening.

Replying to a question how a union could look after the interests of both employed and self-employed, DR. CLITHEROW said that too many people were prone to look upon the N.P.U. as an employers' union. At most, its members employed 2,000 pharmacists, while the company chemists employed probably 3,500. There was no essential divergence of interest between the self-employed and the employees.

A questioner from Hull expressed surprise that no mention had been made by any speaker of the National Organisation of Pharmaceutical Employees. This, he contended, already contained members of the

type suggested. He advocated two bodies, one for employers and one for employees, combining for certain purposes.

MR. ROSS-MANSELL, who asked to be allowed to deal with the point, said that the trade unions participating in the National Organisation were doing so unofficially, and had refused to give official support. In fact, they had "gone out of their way to put their own petty interests before those of the craft". So long as the craft was allowed to be run, said Mr. Ross-Mansell, "by trade demagogues" so long would it be impossible to bring employees effectively together.

MR. GRAINGER, Tottenham, denied the previous speaker's statements about the National Organisation of Pharmaceutical Employees. Members of the various contributing organisations had worked very well, if unofficially, together and it was premature to hint at failure of the organisation.

MR. G. H. SHEARD, Dartford, asked what proportion of proprietors would join the union, and whether it would work with existing organisations or replace them.

DR. CLITHEROW replied that the first question was hypothetical. So far as he personally was concerned, he was not in favour of expelling from existing bodies those pharmacists who preferred to remain members of them, but he thought membership of the new body could, within a few months, reach a total of three or four times the combined pharmaceutical membership of present bodies.

Speaking "as a gate-crasher", MR. G. A. MALLINSON (secretary, National Pharmaceutical Union) said he desired to correct a wrong impression given by Dr. Clitherow's figures relating to the N.P.U. Individual membership of the Union was confined to England and Wales, and, though the figure of 7,000 was correct, it covered ninety-three per cent. of privately owned and small-limited-company shops. Employee pharmacists in these shops included 2,000 managers and a very large number of other employees. One of the reasons for which the N.P.U. had been called into existence was the difficulty experienced in reconciling the interests of employers and employees, and while he wished the new organisation well, he could not see how these difficulties could be overcome. He urged that Dr. Clitherow should get together registered pharmacists not at present organised.

By a majority of fifty-one against twelve, with four abstentions, the meeting authorised Dr. Clitherow to proceed with a proposal to set up a "craft" union in pharmacy.

PERSONALITIES

MR. JOHN DESMOND MURPHY, M.P.S.N.I., Drumbrouchas, Lisnaskea, has left Northern Ireland to take up a position in Rhodesia.

MR. CHARLES E. HARRISON has retired on pension after twenty-nine years' service with Messrs. Boots, chemists, Blackpool. He received as a parting gift saving certificates, cigarettes and glassware, from the Blackpool branches and a cheque from the company. In charge of transport, Mr. Harrison estimates he has travelled well over 200,000 miles on the company's business.

MR. W. A. STEWART, M.P.S., whose appointment to the board of directors of Pharmaceutical Specialities (May & Baker), Ltd., is announced on p. 164, qualified in 1927, and joined May & Baker, Ltd., in 1934 as a medical representative for West Africa; he was appointed export sales manager of the Specialities company in 1935 and became general sales manager in 1937. From 1940 until 1945 he served with the Army, first in West Africa and subsequently with Supreme Headquarters, A.E.F., in North-West Europe. Mr. Stewart resumed his civilian duties towards the end of last year.

MISS MARY A. BURR, the new chairman of the Nottingham Branch of the Pharmaceutical Society, is a former chairman of

the local branch of the National Association of Women Pharmacists and a present member of the London Committee for Pharmaceutical Education of the University College, Nottingham. Miss Burr is the proprietor of the Park Pharmacy, Derby Road, Nottingham. Educated at a French convent, she received

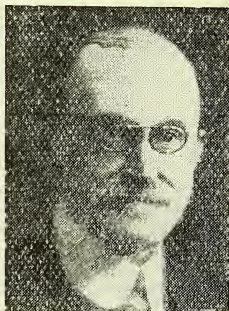
her pharmaceutical training at Sheffield University and Nottingham University College. During the war Miss Burr was appointed a Commandant, and is a member of the County Executive, of the British Red Cross Society.

MR. UDOLPHUS AYLMEYER COATES, M.P.S., Coal Clough Lane, Burnley, at the age of eighty-eight, has just spent ten days in London. Mr. Coates recalls the time when the streets were lit by gas and the vehicles

were mostly handsome cabs. "It is remarkable how the Cockney people have changed during the war," was his first reaction. "Their war experiences has made them more understanding and more polite." Mr. Coates settled in Burnley in 1890 as head chemist to Messrs. R. Parkinson & Sons. He served in this capacity until his retirement in 1928. He was a member of the Society of Public Analysts and a founder of the North of England branch. He has been a member of the Pharmaceutical Society since 1876 and was first president of Burnley branch. His cousin and godfather was the late Lord Udolphus Aylmer, whose predecessor was Governor General of Canada from 1831 to 1835. The Aylmer family can be traced to King Ethelred (869 A.D.).

MR. A. E. SOUTHERNWOOD (chief buyer, Potter & Clarke, Ltd., 60 Artillery Lane, London, E.1) retired on July 31 after forty-five years' service with the company. Known to many trade friends on account of his botanical name as "Old Man", Mr. Southernwood was born in Camberwell sixty-eight years ago, and educated at the Wesleyan Higher Grade School, Peckham.

He entered commercial life at the age of sixteen, joining a merchant office in the City of London. In 1901, seven years later, he commenced his career with Potter & Clarke, Ltd., spending his first twelve months in the general office. In 1902 he was transferred to the buying office, where he stayed to complete what constituted a record length of service. For nearly twenty years he acted as second-in-command of the department, afterwards becoming chief buyer, a position he has held for twenty-five years. From 1922 until the beginning of the second world war, Mr. Southernwood regularly attended the drug sales in Mincing Lane, where he became a well known and popular figure: he was often, he says, the largest buyer. Mr. Southernwood states that, during the past six years, he has seen more English medicinal herbs handled than ever before. He is the first buyer on the company's staff to be "pensioned off".



CHIEF OFFICIALS OF DRUG AND PHARMACEUTICAL ORGANISATIONS



Mr. CYRIL A. WILLIAMS

Secretary, Toilet Preparations and Perfumery Manufacturers'
Federation of Great Britain

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held on July 30 and 31, the president (Mr. G. R. Knox Mawer) in the chair.

THE PRESIDENT reported the deaths of Mr. John Edward Saul, formerly a member of the Society's Board of Examiners in London, and of Mr. David Harley, a member for fifteen years of the Executive of the North British Branch.

Liaison with Ministries

THE SECRETARY reported that as the outcome of a meeting held at the Ministry of Health on July 17 between representatives of that Ministry, the Ministry of Supply, the Society, the Pharmacopœia Commission, and the National Pharmaceutical Union, following the letter from the Society concerning the unsatisfactory arrangements made for the release of penicillin, it was proposed on behalf of the two Departments that a liaison committee should be set up, consisting of members of the above bodies, with the addition of a representative of the Wholesale Drug Trade Association "to exchange information about all matters of interest to the bodies represented". The Council was asked to appoint two members, one of whom should represent hospital pharmacists. The Society's representatives would be Dr. H. Davis and the secretary.

A letter was received from Sir Harry Jephcott, thanking the Council for their congratulations on his knighthood, in which he wrote that while naturally pleased at the recognition of the work he had tried to do, he felt it to be particularly gratifying that the honour should have been awarded to a member of a profession and a Society whose activities seemed to be overlooked all too frequently. Professor Brindle, in a letter of thanks for congratulations on his appointment as Professor of Pharmacy at Manchester University, pointed out that this was the first chair of pharmacy at that University, and to his personal gratification was added the thought that the prestige of pharmacy would be enhanced by this recognition that it was worthy of a professorship. Mr. D. L. Kirkpatrick, acknowledging the Society's good wishes on his retirement from the secretaryship of the Pharmaceutical Society of Northern Ireland, wrote that he looked forward to renewing old friendships next year, when travelling facilities would be better, at the Pharmaceutical Conference. Major E. Saville Peck wrote expressing gratitude to the Council for their telegram of congratulations sent to him on his

eightieth birthday. A letter was received from Mr. Mallison, secretary of the National Pharmaceutical Union, stating that his Executive much appreciated the congratulations conveyed to the Union.

Benevolent Fund and War Aid Fund

In presenting this Committee's report, MR. McNEAL said that notification had been received of a legacy of £50, tax free, from the estate of the late Angus Mackay, of Harrow. The Committee's report stated that grants had been made from the Benevolent Fund to two members and eight dependents, amounting to £180. One annuity was suspended and in one case an annuity was restored. It was also reported that authority had been given for the payment, on behalf of each student placed through the Fund at boarding schools, of £20 for holidays for one year, together with railway fares.

Glyn-Jones Fund Appeal

After considering the appeal from the Glyn-Jones Memorial Fund to the Society for help in assisting pharmaceutical students to continue their studies, referred to it by the Council, the Committee agreed that the objects of the Benevolent Fund did not permit of a grant being made to assist students of the Society. It was recommended that a contribution of £100 be made to the Trustees of the Glyn-Jones Fund from the Society's War Aid Fund.

MR. MELDRUM said he wished his name to be placed on record as dissenting from the recommendation. The recommendation was approved.

Headship of Pharmacognosy Department

On the recommendation of the Joint School Committee, it was agreed that Dr. J. W. Fairbairn be appointed head of the Department of Pharmacognosy in the Society's College, from September 1, 1946, in the place of Dr. Wallis, who had resigned.

It was reported that a refresher course would be held in the Society's College, for a month before the opening of the coming session, for ex-Service students taking the second year of the final course of study for the pharmaceutical chemist qualifying examination. MR. HOWELLS, chairman of the Joint School Committee, said that this course was intended for persons who had been called up after their first year and were now being demobilised. All the places available for the course had already been filled.

MR. MAPLETHORPE, chairman of the Education Committee, said that a letter had been received from the Heriot-Watt College stating that the Governors had agreed to the establishment of an independent department of pharmacy, with a head responsible to the principal of the College, from the beginning of the session 1946-47. The Committee felt that this was a very gratifying development.

Law Committee

The report of the Law Committee, presented by the chairman, Mr. C. Davis, showed that the premises of 1,040 authorised sellers, forty-two listed sellers and 373 drug stores and similar traders had been visited by the Society's inspectors and agents. Twenty cases of alleged infringements were considered and appropriate action taken. A report on proceedings taken was received, it being indicated that one defendant had given notice of intention to appeal. The chairman reported further correspondence received on the advertising of dispensing services and the Council instructed the secretary to take certain steps in dealing with the situation.

Illegal Sales of Strychnine

Concern was expressed that in spite of the efforts made to bring the strychnine rules to the notice of pharmacists, illegal sales were still occurring, apparently in ignorance of the law. The chairman of the Law Committee, asked by Mr. McNeal whether anything further could be done to make the position known, said that the time had now come when firmer action would have to be taken. In future unless there were mitigating circumstances, the Society would be bound to prosecute. In reply to Mr. J. C. Young, THE SECRETARY said that it was not known whether the Home Office had yet complied with the request to remind police officials in the various districts of the requirements of the strychnine rules in relation to the issue of certificates.

Penicillin for Veterinary Use

THE SECRETARY reported that notice had been received from the Ministry of Supply setting forth the arrangements by which veterinary surgeons would be able to obtain penicillin for the treatment of bovine mastitis. The proposal was that a veterinary surgeon should nominate the source from which he wished to obtain supplies of penicillin, and a permit for that purpose would then be issued, on approval, to the nominee. It was not intended, as at one time seemed likely, that veterinary surgeons should be in

direct touch with manufacturers or wholesalers, and in fact about forty applications for the new licences had been made up to now in respect of retail chemists' shops. The principle had been conceded that a retail chemist had as much right as other persons or firms to be nominated for the receipt of a licence, but the Society had gone a stage further and was urging that any chemist who applied for a licence to sell penicillin provided he satisfied the Ministry regarding the conditions under which it was handled, should be entitled as of right to receive a licence. Replying to Mr. Reid, THE SECRETARY added that it would be reasonable for the Ministry of Supply to reserve the right to inspect the pharmacist's premises for this purpose, in the same way as the Ministry of Health had the right to do, under the Therapeutic Substances Act, in connexion with the supply of substance for human use. It was agreed that recommendations be made along the lines indicated.

Advertising of Proprietary Medicines

The Council considered a new code of standards for proprietary medicine advertising, prepared on the instructions of the Advertising Association, of which the Society was a member. THE SECRETARY suggested that while accepting and applying the code, the Society should retain its independence in the light of any Government proposals that might be made for controlling the advertising industry.

MR. MAPLETHORPE said that his only criticism of the code was that it did not go far enough, but he thought that the Council should accept it on behalf of the members in the hope of getting something stronger later. DR. YOUNG, agreeing with this view, said the Society had nothing to lose in supporting the recommendations.

THE VICE-PRESIDENT and other speakers expressed approval of the recommendations in themselves, but urged that they should be treated as an interim measure, and that any risk of their holding up the proposed inquiry into the whole question of patent medicines should be avoided.

MR. HOWELLS asked whether it was not true to say that the advertising policy of "The Pharmaceutical Journal" was already up to the standard of the new code and possibly beyond it. An affirmative answer was given. The terms of a letter welcoming the new Code were approved.

A recommendation from the Organisation Committee that the Branch Representatives' meeting, which was to have been held in October, should be postponed until February 1947, was approved.

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A Suggested New Pharmaceutical Body

THE report of a meeting of pharmacists called together at the invitation of Dr. Clitherow, M.P., M.P.S., at the House of Commons on July 31 (see p. 170) will no doubt create interest in the craft. The meeting, the purpose of which was to consider certain suggestions put forward by Dr. Welply on behalf of the Medical Practitioners' Union to the effect that, in relation to N.H.S. pharmacists should (a) form a registered trade union (b) co-operate with other related bodies and (c) seek the co-operation of the Trades Union Congress if thought fit.

In casting doubt on the right of the meeting to do more than authorise further exploratory steps to be taken—to which it wisely confined itself—we are not convinced that a fully representative gathering, when called, would reverse the decision. To suppose that this latest enterprise is just another attempt to snatch success where failure has always previously been the promoter's lot is to misread two new facts in the situation. These are:—

1. That the N.H.S. arrangements create a community of interest between self-employed and employed pharmacists greater than the separate interests of employer and assistant.

2. That they also create a community of interest with other professional bodies, *vis-à-vis* the Minister and the public, greater than the separate interests of doctors and pharmacists.

In directing attention to these considerations we are not arguing for acceptance of the proposals of the Medical Practitioners' Union nor imagining that differences between the various classes of pharmacists are now automatically at an end; that any existing bodies are superseded, or that the millennium has come. Whether a "craft" union is the best method of meeting the essential need of the situation, and particularly whether, if so, it shall be affiliated to the Trades Union Congress, are questions that will demand much closer scrutiny by a much higher percentage of the Society's membership than they have yet received.

While offering criticisms of the suggested new pharmaceutical body, Mr. H. N. Linstead, M.P. (Secretary of the Pharmaceutical Society) admitted that such an organisation "undoubtedly has got to come." We do not think Mr. Linstead's remark was prompted by the events of the evening. Obviously he must have recognised that the pharmacists present could not in any circumstances be accepted as speaking for the profession as a whole. Nor could they enter into any formal commitments on behalf of all pharmacists. What we think he had in mind was the changed situation brought about by the National Health Service scheme—a theme developed with argument and annotation by Dr. Clitherow himself, on whose responsibility the meeting had been called.

Those who claimed that the Joint Committee fulfilled its essential requirements may be conscious of its shortcomings. To the point that the Committee gives no representation to thousands of unorganised pharmacists there is now added the doubt whether, if the Society's constitutional authority to participate in the Joint Committee were seriously questioned by any of its members, it could be legally upheld. The doubt has been implanted, wisely or unwisely, by Dr. Clitherow, and once expressed, it must be supported or uprooted if confidence is not to be undermined.

What the vast body of pharmacists feel a need of, we are convinced, is an organisation (not necessarily a union affiliated to the T.U.C., not necessarily even a trade union, not necessarily under the present sponsors), open to all members of the Society affected by the National Health Service.

The Joint Committee is not such a body. The National Organisation of Employee Pharmacists is still less that body, though the need for employees to be separately organised is in no way diminished by the new situation. Let a representative conference of all sections of the craft now be called. Then if the proposal receives the necessary support, its main structure could be decided by the usual democratic processes.

German-owned Patents in Allied Countries

THERE was concluded in London at the end of July an international conference to consider the subject of the future treatment of German-owned patents in countries of the allied nations. Besides the Governments of the United States and Great Britain, Empire and a number of European countries were represented. The chairman of the conference was Sir Harold Saunders, Comptroller of Patents.

The outcome of the deliberations was complete unanimity among the allied nations on the major issue that, in no circumstances shall any such German-owned patents within allied territories revert back to the former German owners. On the other major issue, that of how such rights shall be disposed of, a solution was found and agreed to by the representatives of the U.S.A., France, the Netherlands and the United Kingdom. The representatives of these nations have signed an accord to the effect that all patents of former German ownership shall henceforth be controlled by their Governments and shall be available within their respective territories to nationals of the countries party to the accord. This facility to be granted without payment of royalties and without any requirement to manufacture within the territory of the country where the patent exists. In effect, a German-owned patent in this country will, under the accord, be available to nationals in the U.S.A., France or Holland, and manufacture could be carried out in those countries. The same facility would, of course, be available to United Kingdom nationals in respect of German-owned patents in the United States of America and the other countries mentioned.

Second Quarter Exports

A REVIEW of the export trade on a quantitative basis is now possible for the second quarter of 1946. Figures published by the Board of Trade show that exports during that quarter were valued at £114.9 millions at 1938 prices (£219.2 millions as declared), compared with £98.9 millions in the first quarter of the year. Figures for "chemicals, drugs, dyes and colours" were: 2nd quarter, 1946, £8.9 millions (1938 valuation); 2nd quarter, 1946, £15.8 millions (value as declared); 1st quarter, 1946, £9.1 millions (1938 valuation). Although exports of "chemicals" were somewhat less than in the preceding quarter, they were still three-fifths higher than in 1938.

VETERINARY ABSTRACTS

Gammexane in Sarcoptic Mange.—

In only the advanced cases was more than a month necessary to clear up all clinical signs of mange in thirty-seven cases treated with hexachlorobenzene by Lewis. ("Veterinary Record," April 6, p. 159.) After bathing the dogs with soap and warm water, the compound was applied as a suspension of 4 oz. in 1 gall. of warm water, and was rubbed in. Advantages of Gammexane are that it is non-toxic, easily applied, cheap, and lethal to fleas and other parasites. Disadvantages include its insolubility in water.

Penicillin in Bovine Mastitis.— Penicillin should not be regarded as the complete treatment for mastitis in dairy cattle, according to the evidence of research conducted by the Agricultural Research Council and under the Veterinary Educational Trust ("Veterinary Record," July 20, p. 310). While it can be a most useful chemotherapeutic agent, particularly in streptococcal and staphylococcal mastitis, the percentage of cases obtainable is not as high as was at one time hoped. With corynebacterial infections penicillin has not as yet proved promising. A laboratory diagnosis of the type of infection should be made for successful treatment of mastitis with penicillin. In certain cases streptococcal infections have responded to sulphonamide treatment, but not to penicillin. The form of treatment recommended is infusion of the udder with between 20,000 and 50,000 Oxford units at twenty-four intervals of two or more days according to the progress of the case. Higher doses may prove advantageous in obstinate cases.

BRITISH PHARMACEUTICAL CONFERENCE 1946

PENICILLIN STABILITY

Abstracts of and discussion on two papers read at one of the Science Sessions of the Conference on July 17

Two papers dealing with aspects of penicillin stability were presented at the 1946 meeting of the Conference. In the absence of one of the authors, both were read by Mrs. Denston, author of the second, prior to combined discussion on both. The first was:—

Some Aspects of Penicillin Stability

By E. LESTER SMITH

[ABSTRACT]

Penicillin of current production is more stable, both in solution and in the dry state, than early reports would lead one to expect: the pure crystalline sodium salt is unchanged after several hours heating at 100° C., but it is much less stable in solution. Buffered aqueous solutions of pure penicillin II lose antibacterial activity at a rate corresponding accurately with a first order reaction, i.e., the activity plotted on a logarithmic scale against time on a linear scale gives a straight line. The reaction occurring is the hydrolytic opening of the oxygen ring in penicillin, to yield penicilloic acid; it is therefore pseudo-monomolecular, the second reactant, water, being present in vast excess and so at constant concentration. The reaction is evidently catalysed by hydrogen ions, and less readily by hydroxyl ions. At very acid pH values penicillin is in part isomerised to penicillic acid.

Destructive Effect of Metals

Early work in these laboratories and elsewhere demonstrated the destructive effect of heavy metals on penicillin, especially copper, zinc, lead and mercury and, to a smaller degree, iron. Since it is impossible to exclude all such metals completely from processing equipment, the low stability of solutions of some early batches of penicillin was attributed to heavy metals. In one or two instances, where there was gross contamination from unsuitable and corroded plant, extremely rapid loss of penicillin occurred, an effect doubtless due directly to the metals. The effect of metals is catalytic; the quantities present in these instances were stoichiometrically equivalent to only a small fraction of the penicillin present. Some other batches contain around 1 part per million of copper, zinc and iron,

but in these instances there is some uncertainty whether their slight instability can be attributed to metals. The evidence is as follows. Pure penicillin in dilute unbuffered solutions was destroyed rapidly by traces of zinc or copper. However, larger amounts added to solutions of commercial penicillin were less destructive. The explanation is twofold. In the first place, there are probably organic acids present in the crude penicillin that form co-ordination complexes with the metals, which would presumably have smaller catalytic activity than ions of the metal (see later). Secondly, these acids buffer the solution, whereas in their absence the pure penicillin solutions go acid (due to the additional carboxyl group liberated in the conversion to penicilloic acid) and this acidity expedites destruction of penicillin in autocatalytic fashion. This phenomenon is exhibited by aqueous solutions of pure penicillin sodium salt in absence of buffers or metallic salts.

Traces of copper and zinc salts (0.2 p.p.m. and 2 p.p.m. respectively of the metals) can inactivate penicillin in the absence of oxygen or oxidising agents. However, the rate of loss is increased by exposure to air or by low concentrations of hydrogen peroxide. In the absence of metals, air appears to have no deleterious effect on pure or crude penicillin. Peroxide alone has a destructive effect, but much less than in presence of heavy metals; indeed it may be that peroxide would be harmless to absolutely metal-free solutions.

Stabilisers

Substances known to form complexes with heavy metals showed some positive effect as stabilisers, and in order of decreasing effectiveness were sodium hexametaphosphate (Calgon) or metaphosphate (glacial phosphoric acid neutralised), sodium citrate and glycine.

A solution of pure penicillin sodium salt at 1000 i.u. per mil containing 0.5 per cent. of sodium hexametaphosphate showed a half-life at 24° C. of forty-five days, i.e., three times as long as that of unprotected solutions. Two stronger solutions were examined, one of pure penicillin, the other of commercial penicillin, each made up at 13,000 i.u. per mil, again with 0.5 per cent. of sodium hexametaphosphate. In these experiments a complication arose, for the

solutions gradually became more acid, to about pH 5.4, doubtless because the buffering power of the solutions was inadequate to cope with the conversion of penicillin into penicilloic acid. The rate of inactivation therefore tended to increase slightly, and the half-life at $24^{\circ}C$. was only twenty-five days (for both solutions). At winter room temperature it was about 65 days, at refrigerator temperature the half-life had not been reached in five months, but the curve can be extrapolated to about 250 days. It appears that solvents such as acetone, acetophenone, benzophenone, have a stabilising action which can be superimposed on that due to sodium hexametaphosphate to produce solutions of remarkable stability.

Stabilised penicillin could be supplied in sterile solution for injection, with a useful life of several months at refrigerator temperature or several weeks at room temperature. Solutions with sodium hexametaphosphate in 70 per cent. acetone having a very long life, even at room temperature, might be useful for minor wounds, pre-operative skin sterilisation, etc.

In an investigation on penicillin inactivators, lactic acid (equal to weight of actual penicillin used) was the only substance examined (except cysteine) that caused rapid inactivation. The effect was observed with three lots of lactic acid or sodium lactate, with only minor differences in the rates of reaction. Heating lactic acid for several hours at $100^{\circ}C$. under reduced pressures, causing considerable conversion to a lactylactic acid, did not appreciably affect its destructiveness, nor did a subsequent alkaline hydrolysis of this polymerised product. (From the Penicillin Research Department, Glaxo Laboratories, Ltd.)

Stability of Penicillin Solutions

By R. DENSTON

with the technical assistance of K. A. Lees

[ABSTRACT]

THE availability of penicillin through normal commercial channels will undoubtedly be followed by the problems usually associated with a new drug; keeping properties of penicillin will naturally be uppermost in the minds of many future users. Earlier papers did much to stress the instability of the substance, and some adjustment of earlier impressions is necessary in view of the improved quality of present-day penicillin. It seemed desirable to investigate the aspects of penicillin stability most likely to present themselves in practice. The pack of commercial penicillin in most

general use is the vial containing 100,000 international units; this can be dissolved in 5 mls of sterile distilled water to give a solution containing 20,000 international units per ml. An investigation has been made of the keeping properties of such a solution. 85 per cent. of the activity is retained after fourteen days, and the half-life of the solution is over three weeks. An experiment on penicillin solution for use as eye-drops showed similar results. To reproduce the effect of careless handling by the patient, twice each day the bottles were unstoppered and exposed to the atmosphere for five minutes. 75 per cent. of activity was maintained for a fortnight both at room temperature and in the refrigerator, and the half-life was something over three weeks at room temperature and over five weeks in a refrigerator.

Tests Using Pure Penicillin

Pure penicillin in packs of one million international units (1 mega unit) was used for a third experiment. Samples were kept both at room temperature and in a refrigerator, and for each set four methods of sampling were used: (i) Sampled aseptically with syringe after swabbing cap with alcohol (70 per cent.); (ii) sampled carelessly with syringe, using unsterilised needle and without swabbing cap; (iii) sampled with a 1-ml pipette using normal aseptic assay technique; (iv) sampled with pipette after exposing solution to atmosphere for ten minutes (contamination was not confirmed by sterility tests). From the results, the following inferences may be drawn:—(a) 90 per cent. of activity is maintained for four days when pure penicillin solutions are kept at room temperature or in the refrigerator for all methods of sampling; (b) when kept in the refrigerator, 85 per cent. of the potency can be guaranteed for three weeks, regardless of the method of sampling; (c) over the thirty-six days of the experiment no sample had lost more than 30 per cent. of its activity when stored in a refrigerator; (d) when kept at room temperature, there seems to be an initial lag of three to four days after which the solutions fall in potency very rapidly, so that in most cases the half-life is only about ten days. All activity may be lost in a fortnight to three weeks, though the results show that the time for complete inactivation is somewhat variable and does not seem to depend on the conditions of sampling. With high-potency penicillin 90 per cent. of the activity is present after five to six days, both at room temperature and in a refrigerator, with careful sampling; in a

refrigerator, 85 per cent. of the activity can be guaranteed for ten to fourteen days with all methods of handling; a maximum of 40 per cent. of activity was lost in the refrigerator during the period of the test with all sampling techniques; at room temperature, the half-life is about eighteen days. Under both conditions of storage and with all methods of sampling, 90 per cent. of the activity of low-potency penicillin solutions cannot be guaranteed for more than three to four days; when kept in a refrigerator it maintains 85 per cent. of activity for eight days; a maximum of 40 per cent. of activity was lost during the period of test when kept in a refrigerator; at room temperature, the half-life is eighteen days and no sample lost all activity; only a few, however, were tested for the full thirty-six days.

Effect of Boiling

An experiment was carried out to investigate whether a solution of pure penicillin can be boiled without significant loss of potency. Pure penicillin sodium salt was dissolved in distilled water to give a solution containing approximately 20,000 international units per mil. The solution was assayed for initial potency and boiled, using a reflux condenser attached to the flask to avoid loss of volume and consequent alteration in potency. Samples were taken and assayed for potency after five, ten, twenty and thirty minutes' boiling. The residual solution was allowed to cool to room temperature, assayed, and again brought to the boil. Estimations of potency were made after the solution had boiled for another five and fifteen minutes. No significant loss of potency occurs after boiling the solution for five minutes. To test whether the five minutes' boiling to which a solution of pure penicillin can be submitted without significant loss of potency will give complete sterility, tests were carried out using contaminated solutions of crystalline penicillin sodium salt. The tests showed no growth before the solution was boiled when examined after twenty-four hours, but were contaminated after a longer period. No loss of potency is sustained when moist solution-tablets of penicillin sodium salt are kept in a refrigerator, but at room temperature the half-life of such tablets is little over a week. In a refrigerator the stability of penicillin solutions with phenoxyethyl alcohol, chlorocresol and phenol is not adversely affected and compares favourably with the control of penicillin in distilled water. Aminoacridine hydrochloride and chlorbutol seem to decrease the stability

and thiomersalate is definitely detrimental. Solutions of penicillin in distilled water and 30 per cent. glycerin show no significant fall of potency of the penicillin for five days. Afterwards the activity decreases more rapidly than in the control solution. At room temperature the half-life of the penicillin in solution with 30 per cent. glycerin is only about three to four days. (From the penicillin research department, Glaxo Laboratories, Ltd.)

DISCUSSION

PROFESSOR BERRY thought the use of sodium hexametaphosphate for parenteral injections should be approached with care. The use of the compound as a wetting agent in washing syringes had been rejected on account of the probability of precipitation with alkaloids and reactions with proteins. There had been references in one of the papers to sterilisation by boiling but the tests as recorded did not prove that this had been achieved. There should have been a control, and the test should be repeated against standards. His own experiments had shown that phenoxetol or chlorocresol ensured sterility for at least seven days.

MR. TREVES BROWN assured the meeting that Mrs. Denston's results had been based on a very large number of assays, and were accurate to within 10 per cent.

MR. COULTHARD, Nottingham, was not convinced that the majority of antiseptics reduced the potency of penicillin solutions. A series of test samples containing chlorocresol had kept step in potency with plain aqueous solutions.

MR. MICHAELS thought the tests should have been made with specific organisms, and MR. SAMWAYS, London, asked which penicillin had predominated in the high potency material used.

The lack of specificity in the meaning of the term "room temperature" was pointed out by a questioner from London, who maintained that temperatures ranging from 10° to 30°C. might be experienced in different laboratories during different seasons. This factor, he suggested, might well account for discrepancies.

Replying, MRS. DENSTON claimed that sodium hexametaphosphate, in the strength used, had been without harmful effect. Controls, she said, had been used, though she admitted they should have been mentioned in the paper. "Room temperature," a phrase which one of the discussants had criticised as unscientific, was constant for her experiments at about 22°C., by reason of air-conditioning in the laboratories. Penicillin II was used in the experiments.

NEW BOOKS

An Introduction to Biochemistry.—Robert Fearon, M.A., Sc.D., M.B. 8½ in. × 5½ in., pp. 569, 21s. William Heinemann Medical Books, Ltd., 99 Great Russell Street, London, W.C.1. Now in its third edition, Professor Fearon's work, accepted as a standard, has been modified to give greater emphasis to aspects of the subject which are of special interest in clinical medicine. A chapter on tissue chemistry is added.

Chemical Composition of Foods (Medical Research Council Report Series, No. 235).—R. A. McCance and E. M. Widdowson, 6 in. × 9½ in. 156 pp. 6s. H.M. Stationery Office, Kingsway, London, W.C.2. Tables of the chemical composition of foods published in 1939 have been amended and added to, and appear as the second edition giving information on many war-time and post-war foods. Analyses (with the exception of vitamin content) of medicinal beverages, meat and yeast extracts, and similar preparations concern pharmacists, but most of the book is devoted to other foods including those prepared from Ministry of Food "economical" recipes. To students especially the work should form a profitable book of reference.

Some Properties and Applications of DDT.—Ministry of Supply (Chemical Defence Research Department), 9½ in. × 6 in., pp. 34, sixpence, H.M. Stationery Office, Kingsway, London, W.C.1. This booklet is a digest of the practical applications of DDT, and has been compiled from non-restricted reports held by the Ministry of Production and the Ministry of Supply. An outline is given of the insecticides' chemical and physical properties, the forms in which it is used, means of dispersal, and toxicity to vertebrates and arthropods. Space has precluded direct acknowledgement of much of the background of field work but thirty-one references are shown in a bibliography. Six formulas of sprays, emulsions and aerosols, and a tabulated summary of field work with over 100 species of insect are given in appendices.

A Text-book of Forensic Pharmacy.—Thomas Dewar, Ph.D., B.Pharm., Ph.C., Barrister-at-Law. 8½ in. × 5½ in., pp. 253, 10s. 6d. Edward Arnold & Co., 43 Maddox Street, London, W.1. The author explains that his purpose has been to present "in a single volume all the forensic pharmacy that is ordinarily taught to those studying for the qualifying examinations of the Pharma-

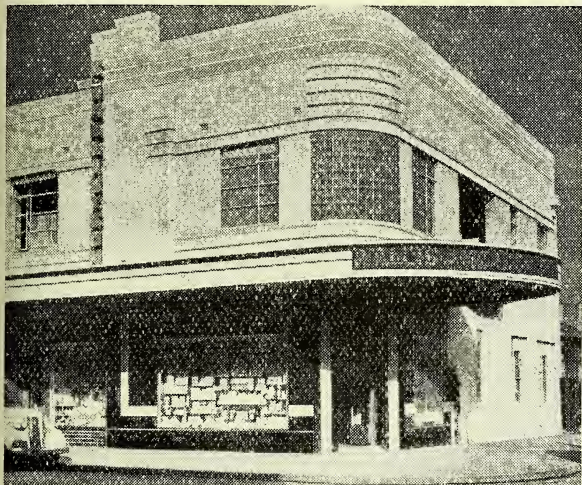
ceutical Society." Wisely, however, he goes a little beyond the strict requirements of this aim in order to fill in the background of the student's knowledge of the subject. His straightforward presentation of the material, lucid style, numerous tabulated summaries and full annotations should do much to ensure that students are adequately trained in this important subject. To the qualified, the work is likely to prove equally invaluable as a book of reference, to which a certain piquancy has been given by the literary quotations which appear, not always with absolute relevance, at the head of each chapter.

American Pharmacy.—Editor-in-chief, R. A. Lyman, M.D., 7 in. × 10 in., pp. 540, 50s., J. B. Lippincott Co., Aldine House, Bedford Street, London, W.C.2. Twenty-two authors have contributed to this unique and comprehensive text-book of pharmacy. A separate authority has been responsible for each chapter, and careful editing, which has ensured smooth sequence of the subjects, has been undertaken by the Dean, College of Pharmacy, University of Nebraska, with the help of six advisory editors, and a technical editor. The book is divided into three main sections:—
1. "Fundamental Principles and Processes" (purification, extraction, bacteriological technique etc.); 2. "Pharmaceutical Preparations" (ointments, emulsions, injections, etc.); 3. "Biological" (including short notes on antibiotics).

DDT The Synthetic Insecticide.—T. F. West, M.Sc., Ph.D.(Lond.), F.R.I.C., and G. A. Campbell, M.Sc.(Leeds), F.R.I.C., 8½ in. by 5½ in., pp. 301, 21s. Chapman & Hall, Ltd., 37 Essex Street, London, W.C.2. These two workers, who have been associated with DDT since its introduction to the United Nations authorities, have produced a survey of the insecticide which should be of use to technical workers over a wide field. Part I of the book deals with the compounds, chemistry, toxicity, and formulation (including solutions, emulsions, suspensions, dusting powders, aerosols, and paints), while Part II describes field trials conducted up to autumn 1945 on DDT in different forms against lice, mosquitoes, and an exhaustive list of other pests affecting human beings, animals and plants. Its effect on beneficial insects and on vegetation is also discussed. Full references are quoted at the end of each chapter, and the book is illustrated with thirteen photographs.

A MODERN PHARMACY IN AUSTRALIA

Typical Unit of a Member of the Allied Master Chemists of Australia, Ltd.



AN Australian pharmacist, qualifying after a four-year apprenticeship, has the opportunity of becoming a member of a proprietor pharmacists' body known as the Allied Master Chemists of Australia, Ltd. As a member he is a proprietor, holds five of the society's £1 shares, and pays a weekly fee of £1. For this he is entitled to a number of services. First, he is given the help of a trained architect specialising in shop layout, who supervises the reconstruction, if necessary, of the pharmacy acquired, bringing it up to the standards of other pharmacies. The example illustrated is decorated in ivory, green, red and black, and the improvement was reflected immediately in the shop's takings. A professional man, the pharmacist may have little aptitude for shopkeeping, and no knowledge of window-dressing and display. The society helps him in this by sending along an expert to introduce the most up-to-date methods, and to provide artistic showcards and price tickets, free of charge. The society also advises, if desired, on what stocks to buy and sell.

In Victoria and Queensland the law forbids "company" pharmacies. In New South Wales companies are limited in the number of juniors they can have working with each pharmacist. No undue competition, therefore, is forthcoming from that source. Dispensing prices are more or less standardised.

Top: Exterior of a typical Amcal pharmacy. The society's architect designs the exterior and advises on internal layout.

Centre: Interior, showing main drug counter.

Foot: Another view of the interior.

SOME ASPECTS OF THE HEALTH BILL

By Frank E. S. Clarke

THE intention of this contribution is not to undervalue the work of the negotiating body or in any way to question the wisdom of the policy it pursues, but to emphasise some aspects of the National Health Service Bill in order that pharmacists may comprehend some of its implications and the course of development it may be likely to enforce upon retail pharmacy. It may be convenient to consider the matter from three points of view: political, pharmaceutical and economic.

However much pharmacists may desire to avoid the political aspect, they cannot ignore the fact that the entire structure of the Bill is based upon a political conception that envisages a State salaried service. The course is most clearly set in that direction, and pharmacists, like the rest of the community, will find themselves divided into those who seek an assured but static economic standard of living and others who aspire to a more expansive income from the free pursuit of their own livelihood. Whatever division there may be, pharmacists have but little chance of altering the course of things, but must accept service upon the best possible terms that can be had, and with some assured prospect of permanency.

Recognition Secured

Passing to the pharmaceutical aspect, members of the profession may congratulate themselves upon having at last secured full recognition of pharmacy as the complementary, ancillary service to the practice of medicine. This is no mere "crumbs of comfort," but a solid achievement of the objective of long protracted efforts. At this point in the history of pharmacy the craft may be said to have achieved its due professional status and to have had its administration made subject to some, if not adequate, pharmaceutical representation. Whilst the profession of pharmacy has been exalted, the repercussions of the Bill will effect a revolutionary change throughout the drug trade, and there must already be a certain commotion amongst pharmacists' manufacturing friends, particularly those in the field of ethical proprietaries, whose knotty problem may become how to find their market less through the medical journals and more through the popular Press. It may also be taken that the capital investment of the proprietary medicine trade will not fall behind, but will force sales upon the public through sheer weight of advertising.

Whatever changes are to come, the Bill will provide a full pharmaceutical service to the medical practitioner, and this is really a first and direct interest of pharmacy. A secondary interest is to ensure for the public a prompt and dependable source of supply. This subject brings in its train the all-important matter of the health centre dispensaries, a question that resolves itself into two divergent issues. Are these services of pharmacy, in respect of the supply of medicines for domiciliary treatment through retail pharmacies, to become a permanent and progressive feature of the health services, or are they to exist *pari passu* as a competitive dispensing service with the dispensaries of the health centres? That is the crux of the pharmaceutical position.

An Assurance Needed

Admittedly pharmacists cannot afford to be too apprehensive of the future, nevertheless they should make a bid for some positive assurance that they are not to be operating for an interim period a long-term policy of the Government to displace retail pharmacies with the Government's own dispensaries. The point has no doubt been in the minds of the representatives of the profession, and at the recent conference with the Minister of Health it was the co-operative representative who asked if it were advisable for pharmacists to re-equip their pharmacies should the Ministry develop its own dispensaries as an alternative source of supply for the public. Mr. Bevan's reply, if not evasive, certainly lacked that positive aspect that was sought. Pharmacists cannot therefore be blamed for taking note of the possibility that a Government that can close down a world cotton exchange and dispense with the services of the great Friendly Societies will not boggle at displacing retail pharmacies with its own dispensaries. It is difficult to find any justification for such a policy so long as there exists a well-distributed and efficient service of pharmacies throughout the country. Both by custom and tradition the chemist's shop has become an institution, and through the National Insurance an established part of a national pharmaceutical service. Is that position in danger of being assailed by the development of public dispensaries? That is "the fly that causeth the apothecary's ointment to stink." It is the establishment of a principle that is wanted rather than the acceptance of an expedient.

As to the economic aspect of the Bill, it may be more easy to penetrate the mind of the Ministry upon its ultimate policy. The Government will have a formidable weapon in its own dispensaries for negotiating terms with retail pharmacists, and unquestionably will be able to supply an efficient pharmaceutical service at a much lower cost than that of the pharmacies. Its bulk purchases of supplies will carry no retailer's profit, and there are obvious indications that the staffing of the dispensaries, although under pharmaceutical control, will suffer a measure of "dilution." It is here that pharmacists may anticipate a probability that the "Hall" certificate will find an appropriate niche. It is of interest at this point to note that, in a recent revision of salaries by the Joint Hospitals Board, the "Hall" dispenser was included. Whatever the terms of remuneration finally accepted, the financial effects of the Bill upon retail pharmacy will be considerable, though not necessarily adverse. Much will depend upon the structure of the terms. There can be no disputing the result that a considerable portion of present business will pass over from public sales to Government contract. Considering the increased contributions to be paid and the medical needs of every household to be met under the Bill, the public will quite reasonably expect to get some return for its money. Such considerations must encroach upon present trading returns. There exists a further possible reaction in supplies from the clinics.

Future of Clinics

Will the clinics develop their system in supplying drugs other than prescribed medicines, and will the expectant mother receive, as maternity benefits, all those pre- and post-maternity needs from the clinics which she now gets from her chemist, bearing in mind that administration of the clinics remains in the hands of the local authority, whose ideology may be more political than pharmaceutical. Will the health-centre dispensaries, fully equipped as they will be, maintain the same pharmacopœial standards and be subject to the same testing of prescriptions as the existing pharmacies? The "lend-lease" bottle must surely go. Will the field of remedies continue to widen or will there be a gradual building-up of formularies, on the lines of the hospital pharmacopœias? A hurried, even if almost indecent, burial of the National War Formula would be welcomed by pharmacists, for its compilation is no credit to the craft of pharmacy.

No one can foresee what the repercussions on pharmacy in general and on retail pharmacy in particular will be, but there are positive indications. Can the Ministry be persuaded to confine its dispensaries to the more exclusive work of the pathological clinic, leaving to retail pharmacies the supply of medicines, and to give its support to the drug trade in efforts to control the "patent" medicine market? Unless it can, the questioning pharmacist may ask whether the pharmacy of to-day will become the drug-store of to-morrow, and whether pharmacists themselves will drift towards a State salaried service, the administration of the poison laws pass into the hands of the Home Office, and the Pharmaceutical Society relegate itself to academic status as an educational and registration body.

Seasonal Varieties of Colds.—It is time that somebody made a proper study of the clinical vagaries of the common cold—"cold," "febrile cold," and "flu," do less than justice to this protean infection. I have formed part of a compact epidemiological group of five souls (two big and three small) which has been swept through this winter by three waves of "colds," each of which produced almost identical clinical characteristics in all its victims, but which differed sharply from wave to wave. The first was in December, and began with a dry pricking feeling at the back of the throat. This was followed in twelve hours by an acute coryza with fever, to be succeeded one day later by laryngitis and mild tracheitis. Coughing was painful and produced mucopus and a powerful desire to vomit (the younger ones did). At this stage the fever went, but the cough was almost a whooping-cough, and might have passed as such if it had not gradually lessened during the next ten days. The other striking characteristic was an absolute loss of smell for more than a week. Six weeks later came the second variant. It began with a ticklish cough, continued as a paroxysmal sort of cough for a week to a fortnight, and died away. There was no malaise, no coryza, but simply the production of pellets of mucopus which might have come from the back of the throat but didn't. Hardly were we free from the second type than the third was upon us. Just a straightforward "code-ide-doze" kind of nasal catarrh, the kind which causes much sneezing but encourages the idea that it will soon be gone this time—until it drags on, and odd sinuses and middle ears light up, and only a continued spell of reasonably warm weather holds out any prospect of getting rid of it.—From the "Lancet."

INQUESTS

Aspirin Suicide.—Following a post-mortem examination which revealed that a considerable quantity of aspirin had been taken, a verdict of "Suicide while the balance of her mind was disturbed," was returned by the coroner for North-west Kent recently at an inquest on Miss L. M. Gooch, Blackheath. Medical evidence was to the effect that death was due to aspirin poisoning accelerated by self-inflicted wounds and asphyxia.

Open Verdict.—At an inquest at Hammersmith recently on Miss V. R. Mitchell, Fulham, an open verdict was returned by the coroner, who said that luminal had been taken in circumstances not fully disclosed by the evidence. A medical practitioner stated that Miss Mitchell used to have attacks of momentary unconsciousness, and he had prescribed phenobarbitone tablets for her. On June 25, when she told him she was going on holiday, he prescribed 100 tablets. Previously he had ordered fifty or sixty at a time, sufficient for one month. When the police searched Miss Mitchell's room they found neither bottle nor tablets.

Turpentine in Error.—At an inquest at Ladywell, London, S.E.13, recently, a verdict of death through misadventure was returned on a shorthand-typist who had been given a fatal injection of turpentine in mistake for glucose. Evidence heard by the coroner showed that the turpentine had, at the Park Hospital, Hither Green, been poured into a bottle usually containing glucose and saline, and had been sent out of the hospital for cleaning purposes at an exhibition. The bottle had been returned to the hospital and stored with other bottles containing glucose. Drawing attention to the word "turps" written in blue indelible pencil in the bottom right-hand corner of the label, the coroner asked whether, when the bottle was held in the left hand, the word would not be obscured. He received the answer "Yes," and commented that he was not surprised the word had not been noticed on the label by the people who handled the bottle. The bottle was one of special type used exclusively in the hospital for 50 per cent. glucose and saline. A sister who had put the turpentine into the bottle was told by the coroner "I don't want to blame you overmuch, because I bear in mind the fact that you thought the bottle was going out of the hospital; but you certainly acted very unwisely. A person with your experience should never put turps in a bottle without putting a poison label on it."

CORRESPONDENCE

Manufacturers' Trading Terms

SIR,—My Association has received complaints from members that certain English manufacturers insist upon payment with order for goods, which frequently are not delivered for some time. My Executive's view is that it is unfair to ask chemists to finance manufacturers in this way. It is recognised that manufacturers who are short-staffed have to simplify their book-keeping, but this end can be achieved by sending goods C.O.D.

JAMES McCLENAHAN, *Secretary.*
Ulster Chemists' Association.

Belfast.

N.H.S. Payments to Chemists

SIR,—There is an important point which chemists should note in connection with any contract for pharmaceutical service under the new scheme. In the present N.H.I. contract for chemists, set out in the third schedule of the Medical Benefit Regulations, there is a requirement in Part II, Section 1., that a contractor shall submit his prescriptions for pricing on dates to be appointed by the Minister of Health, and the appointed day is the third day of the month. Section 3 of Part II states that payment for drugs and appliances will be made by the insurance committee—but here there is no date appointed by the Minister. Many chemist contractors have suffered because of considerable delay in the payment of their insurance accounts. The N.P.U. Executive at their meeting in May (*C. & D.*, June 22, p. 783) had this matter before them and proposals by the Ministry of Health for clearing up payments in arrear were considered. If insurance committees, because of staff difficulties, cannot complete chemists' payment in full by the accepted date, which has generally been the fifteenth of the month, a system of payments on account should be adopted in order that chemists shall not suffer undue hardship by delayed receipt of cheques needed to pay wholesale accounts for drugs supplied on insurance prescriptions. It is understood that such a system has been adopted in London whereby an advance payment is made by the fifteenth of the month, the balance being paid as soon as the account can be completed. In the contract under the new national health scheme the Minister of Health should appoint a date for payment of accounts by Executive Councils as well as for submission of prescriptions by contracting chemists.

"COMMITTEEMAN."

OVERSEAS TRADE NEWS

Czech-Swedish Trade Agreement.—A one-year Czechoslovak-Swedish trade agreement was signed in Prague on July 29. Czechoslovakia will export hops, kaolin and chemical products to Sweden and receive in exchange commodities including turpentine and medical instruments.

Argentina to Buy Insecticides.—The Argentine Government has authorized the appropriation of about £2,250,000 for the purchase of insecticides and equipment for the extermination of locusts. Orders for more than two million lb. of powdered locust insecticides and over three million lb. of poisoned bait are to be placed.

Argentine Oilseed Prices Fixed.—A New York message states that the Argentine Government has established buying prices for flaxseed, rapeseed, sunflowerseed and their products, as well as for cottonseed oil, cake and meal, according to the U.S. Office of Foreign Agricultural Relations. Export prices, however, have not been announced.

U.S. Foreign Trade Forecast.—Total United States exports, now running at the rate of \$9,150,000,000 a year, more than three times the value of pre-war exports, are expected by the U.S. Department of Commerce to reach and be maintained at a level between \$11,000,000,000 and \$12,000,000,000 during the next five years. This forecast is predicted on the assumption that generally favourable conditions will prevail at home and abroad and that U.S. long-term investments and loans will be carried out as now contemplated.

U.S. Oilseed Supplies.—American importers of linseed and linseed oil believe that any purchases they may make of the 1947 Argentine linseed crop will be made through the United Kingdom—little hope is held out for any direct purchases of the crop. Meanwhile, traders in New York believe that prices of linseed, soyabean and cottonseed and their products will be at a higher level than under the Office of Price Administration, when the Decontrol Board comes into operation on August 20, because of the strong consumer demand and the shortage of supplies.

Plantations in Dutch East Indies.—A dispatch from Batavia states that on July 13, Banka, Billiton, Borneo and the Great East Territories were officially handed over from S.E.A.C. to Dutch control. Latest reports from these areas indicate that rubber exports from Borneo will surpass the highest pre-war production within a few

months. Copra exports in the next twelve months will reach 200,000 tons, against 170,000 in 1940. The rehabilitation of coconut plantations will be difficult, as they have been badly neglected. Large sums of money will be required, and transport is also proving a problem. Of the twelve million fruit-bearing pepper trees, only 50 per cent. still stand. In South Borneo, only 20 per cent. of the area under pepper remains.

Sale of Proprietary Medicines.—Provision for control of the sale of proprietary medicines and appliances has been drafted by the South African Public Health Department, according to a letter received in Durban by Mr. W. B. Collyer from the Secretary of Public Health. The letter adds that it has not been possible to include the Bill in the legislative programme of the present session of Parliament.

Chemists' Terms of Service.—Terms and conditions under which chemists will contract to supply medicines to benefit societies were discussed recently at the meeting of the South African Pharmaceutical Society. In terms of the resolution accepted these services will include the supply of medicine for any health scheme, whether State or otherwise. Other resolutions dealt with the training and education of chemists and druggists, particularly with the institution of a higher standard of qualification to enable them to fill adequately the various pharmaceutical posts envisaged in the Gluckman Report on national health services.

U.S. Relief Shipments of Fats and Oils.—The increasingly critical shortage of fats and oils in the United States has led to the development of plans to halt all U.S. shipments for foreign relief by January 1, 1947, according to the Director of the Fats and Oils Branch of the Department of Agriculture. The Department also reported that the price index for domestic fats and oils has reached its highest level since 1920, while warehouse stocks are the lowest in fifteen years. U.S. per caput consumption of fats and oils in 1946 is estimated at 39 lb., compared with 44.7 lb. in pre-war years. Business is passing in cottonseed oil at about $4\frac{1}{2}$ cents above the former ceiling price, and in soyabean oil at as much as $4\frac{3}{4}$ cents above the former limits, following the exemption of these oils from price control—at least until August 20, when the Decontrol Board will decide whether the re-establishment of controls is necessary. Business in other edible oils is reported at a standstill.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, August 7

THE holiday closing of many wholesale and manufacturing houses has resulted in exceedingly dull markets over the few days of business so far this week. Prices with but very few exceptions are quoted nominally unchanged. A circular (No. 27) from the Essential Oils Control announces that, as from August 2, the following further essential oils have been removed from the scheme of distribution: Eucalyptus (citriodora), fennel, origanum, rosemary and thyme. The Essential Oils Control also states that certain quantities of the following essential oils, which are in excess of immediate home trade requirements, are held by the Ministry of Food: Pine needle, pimento leaf, basil and clary sage. These oils can be released for export, and all inquiries in this connexion should be addressed to the Ministry of Food, Essential Oils Branch, Portman Court, London, W.1. Any user who wishes to receive extra supplies of these oils through the essential oils control scheme should submit a supplementary indent to his appropriate supervisory body. The Minister of Food announces that there will be no change in the existing prices of UNREFINED OILS and FATS and TECHNICAL ANIMAL FATS allocated to primary wholesalers and large trade users during the four weeks ending August 31.

U.S. Drug Market Report

New York, August 2

WHILE the restoration of price control in the United States has made little difference to most sections of the major fine and heavy chemical markets, the pricing schedules having remained, for the most part, unchanged throughout the decontrolled period, trading in GLYCERIN came virtually to a standstill. Prices have been reduced to the ceiling levels prevailing on June 30, following a three cents per lb. increase announced by producers last week. The trade appears to be awaiting clarification of the new Office of Price Administration Bill and certain pricing adjustments which are expected. Limited activity on most sections of chemical resale markets continues, due to the shortage of most materials. Medicinal COD-LIVER OIL has moved into a somewhat firmer position on reduced imports from Norway; a consignment recently arrived

from Iceland, it is reported. A few parcels of Chinese MENTHOL have been offered here at prices between fifty and seventy-five cents above the current Brazilian quotation. Trade in the material has continued dull although the main consuming season in the U.S. is near to hand. A good export demand exists for MERCURIALS, it is reported; trade in MERCURY is dull and some shading in the present quotation would not be unexpected. Imports of the Mexican product continued at a fair rate. Synthetic CAMPHOR is also in short supply and no spot material is available. Sales of medicinal BOTANICAL DRUGS were curtailed over the past week, though prices in the main remained steady, it is reported. The high prices currently being asked for CARNAUBA WAX by Brazilian dealers are fully supported by a good demand from certain European countries. A large proportion of the new crop is said to have already been sold. Offerings of CANDELILLA WAX are more plentiful but trade has been rather quiet of late. The new Mexican VANILLA BEAN crop is estimated at about 400,000 lb. though no decline in prices is anticipated at the present time. Other import news includes reports reaching here in support of the view that CUBEB BERRIES from the Far East will be arriving earlier than was at first expected; that good supplies of European JUNIPER BERRIES should be available for export to the U.S. in the coming months, communications having been well re-established with dealers there; and the arrival of a consignment of LOCUST BEANS from Liverpool and several bales of BELLADONNA LEAVES from Australia. Collection of domestic ARNICA FLOWERS is due to start within a few days while almost all recent imports of this material from Europe have been detained by the Food and Drug Administration. A large shipment of GUM ACACIA arrived here from the Sudan during the week. The U.S. Government is offering 36,250 lb. of Sicilian LEMON OIL under free and competitive bidding conditions, it is learned. Previously, Government offerings of surplus material have been made at officially determined prices on a quota basis worked out on historical sales records. BERGAMOT OIL displays weakness and Italian material was quoted lower at \$5.10 to \$6.50 per lb. Most of the FLORAL OILS remain in tight supply while firm conditions in AROMATIC CHEMICALS reflect the shortage of basic materials.

Pharmaceutical Chemicals

ASPIRIN.—The following are makers' current rates per lb. for the home market in quantities of 28 lb.-1 cwt. (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

BARIUM SULPHATE, B.P. (x-ray).—Prices per lb. quoted by makers, in 28-lb.-1 cwt. lots, for home sales are (containers in brackets): 1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

BISMUTH SALTS.—Current prices per lb. for CARBONATE in quantities of 14 lb.-28 lb. are as follows (containers in brackets): 13s. 0½d. (1-lb.); 12s. 11½d. (2-lb.); 12s. 11d. (4-lb.); 12s. 10d. (7-lb.); 12s. 9½d. (14-lb.). CITRATE, 2s. per lb. above; SALICYLATE, 6d. per lb. above; SUBGALLATE, 4s. 3d. per lb. above; SUBNITRATE, 1s. 2d. per lb. below the prices for carbonate.

BORAX.—B.P. is quoted at £38 per ton; crystals at £39; and powder at £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BORIC ACID.—Prices per ton are: B.P. granulated, £60; crystals, £61; and powder, £62. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BROMIDES.—POTASSIUM, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). SODIUM, 1½d. per lb. less, and AMMONIUM, 1½d. per lb. more, than above prices. Prices are net, without engagement.

BRUCINE.—Makers' prices per oz. are: ALKALOID.—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. Corresponding prices for NITRATE and SULPHATE are: 1s. 3½d., 1s. 3d., and 1s. 2½d.

CHLORAL HYDRATE.—Current prices are as follows: 1 cwt., 3s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; less, 5s. 3d.

CITRATES.—POTASSIUM, in quantities of 28 lb.-1 cwt., is quoted per lb., as follows (containers in brackets): 3s. 8½d. (1-lb.); 3s. 7d. (4-lb.); 3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET AMMON. CIT., B.P., 3d. per lb. above; SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra. Prices net, one month.

CODEINE.—Prices per oz. current in the home market are: PURE, ½ oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 47s. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDROCHLORIDE, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., 42s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d. PHOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; 2 oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. HYDROBROMIDE and IODIDE, as PURE; SULPHATE, as HYDROCHLORIDE.

DIAMORPHINE.—Prices per oz. are: PURE, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d.

ETHYLMORPHINE.—Current rates per oz., in the home market, are: PURE, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb.-28 lb., in 14-lb. lots, 11¼d. per lb.; 28 lb.-112 lb., in 14-lb. lots, 11½d.; 28-lb., 10½d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—As noted recently, home quotations have been advanced by threepence per lb. New rates per lb. are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 6d.; 28 lb., 10s.; 14 lb., 10s. 6½d.; 7 lb., 12s. 0½d.; 4 lb., 12s. 6½d.; smaller quantities, 13s. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 5d.; 14 lb., 10s. 11½d.; 7 lb., 12s. 8½d.; 4 lb., 13s. 4½d.; smaller quantities, 14s. 2d. IODOFORM, B.P.—28 lb., 13s. 7d.; 14 lb., 14s. 1½d.; 7 lb., 16s. 3½d.; 4 lb., 17s. 1½d.; smaller quantities, 17s. 11d. IODOFORM CRYSTALS, 2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 11d.; 28 lb., 11s. 5d.; 14 lb., 11s. 11½d.; 7 lb., 13s. 9½d.; 4 lb., 14s. 4½d.; smaller quantities, 15s. 10d.

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

METHYL SALICYLATE.—In fair supply. Small amounts are quoted at 2s. 6d. per lb.; winchesters at 2s. 1½d.; 56 lb., in demijohns, 2s. 1 cwt., in demijohns or carboys, 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

PHENOLPHTHALEIN.—Current prices are: 1 cwt., 4s. 10d. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms net, carriage paid to nearest station, containers extra and returnable.

PULV. BISMUTH CO., N.F.—Current rates per lb. in the home market, in quantities of 28 lb.-112 lb., are as follows (containers in brackets): 2s. 9d. (1-lb.); 2s. 8d. (2-lb.); 2s. 7½d. (4-lb.); 2s. 6½d. (7-lb.); 2s. 6d. (14-lb.); 2s. 5d. (28-lb.).

THEOBROMINE.—Prices per lb., in quantities of 28 lb., are as follows: ALKALOID, B.P.C., 30s. 6d.; CALCIUM SALICYLATE, 19s. 3d.; SODIUM SALICYLATE, 19s. 3d.

Crude Drugs

ALOES.—Forward value of Cape is now 140s. per cwt., c.i.f. Curaçao is firm at 250s., c.i.f.; spot, 300s.

ANTIMONY.—Current prices are: Minimum 99.6 per cent. regulus, £132 10s. per ton; minimum 99 per cent., £125; 70 per cent. crude, for the home trade, £105 per ton, delivered.

ARECA NUTS.—Quoted on spot at 70s. per cwt.; shipment, 50s., c.i.f.

BALSAMS.—*Canada* is offered on the spot at 14s. 6d. per lb.; *Peru*, steady at 8s., duty paid, and 7s. 6d., in bond. *Tolu* and *Copaiba* are unobtainable.

BENZOIN.—Some afloat is offered at £25 per cwt. Demand is good.

BISMUTH.—Quoted at 9s. per lb., in minimum 5-cwt. lots.

BUCHU LEAVES.—Spot price is steady at 4s. 9d. per lb.

CARDAMONS.—Aleppy seeds are quoted on the spot at 8s. 6d. per lb.; and Aleppy greens at 7s. 6d.; Mangalore heavy are priced at 6s. 6d.

CASCARILLA.—Quills are quoted on spot at 2s. 9d. per lb.

CHAULMOOGRA.—*Hydnocarpus* may be obtained on spot at 2s. per lb., in tins in cases.

CHILLIES.—In quiet demand. Mom-basa, spot sellers at 150s. per cwt.; ship-

ment, August-September, 140s., c.i.f. buyers' licence.

CINNAMON.—Spot quotations for chips is steady at 2s. 2d. per lb.

CLOVES.—Quiet, with spot sellers in London at 1s. per lb. for Zanzibar; shipment, August-September, 9¼d. per lb., c.i.f. buyers' licence.

COCHINEAL.—Silvers are quoted on spot at 5s. 6d. per lb., and blacks at 5s. 9d.

COCOA BUTTER.—Price continues to be fixed at 1s. 5½d. per lb., ex factory or warehouse, except under licence.

COLOCYNTH.—Selling slowly at 2s. 9d. to 3s. per lb.

DIGITALIS LEAVES.—Portuguese is unaltered on spot at 130s. to 140s. per cwt., and English at 2s. 6d. per lb.

ERGOT.—Spot price is unchanged at 7s. 6d. per lb.; afloat, 7s.

GUM ACACIA.—Kordofan cleaned sorts is firm on spot at 77s. per cwt.; bleached, steady at 150s.; Talha, cleaned, 42s. 6d.

HENBANE.—Indian leaf is firm on the spot at 250s. per cwt.; Egyptian (*muticus*) may be obtained at 90s.

KARAYA GUM.—Indian No. 1 gum is quoted on spot at 200s. per cwt.

KOLA NUTS.—Current spot prices are: African quarters, 8d. per lb.; African halves, 6d.; Jamaican washed halves, 7d.

LIQUORICE ROOT.—Natural Anatolian, spot, 85s. to 90s. per cwt.; cut, 110s.

MERCURY.—Prices are controlled by the Control of Mercury (No. 11) Order, 1945 (S.R. & O., 1945, No. 1129) (*C. & D.*, October 13, 1945, p. 388).

ORANGE PEEL.—Fine-cut Tripoli, spot, 4s. 9d. to 4s. 10½d. per lb. Spanish quarters, 2s. 9d. Spanish sweet ribbon would be worth 2s. per lb.

PEPPER.—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white pepper and 1s. per lb. for black pepper.

PIMENTO.—Sellers on spot quote 1s. 2d. per lb.; shipment, 122s. 6d. per cwt., c.i.f., buyers' licence.

QUILLAIA BARK.—Natural, spot, 125s. per cwt.; cut, 145s.

RHUBARB.—Common-round, 11s. 6d. to 14s. per lb., according to quality.

SAPOIN.—Chilean, in bond, 9s. per lb., ex wharf, Liverpool.

SQUILL.—Spot price is at 45s. per cwt. for brown material.

TRAGACANTH.—Selected grades are quoted at £155 per cwt. Medium grades are quoted as follows: No. 1 white, £145 per cwt.; No. 2 white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf from £17; hoggy, £12 to £15.

TURMERIC.—Spot, Madras finger, 95s. per cwt., ex wharf, London; 92s. 6d., ex store, Liverpool.

VALERIAN.—About 250s. per cwt. would be wanted for Belgian root.

WAXES.—Current rates for CARNAUBA are: Fatty, grey, spot, 1,030s. per cwt.; chalky, 980s.; prime yellow, 1,200s.; fatty grey, afloat, 1,000s.; prime, afloat, 1,100s. **BEE'S.**—Quoted on the market as follows: Dar-es-Salaam, spot, 340s. per cwt.; afloat, 325s., c.i.f.; forward, 345s.; Benguela, spot in bond, 298s. **OURICURI.**—Spot, nominal; shipment, August-September, 6 per cent., 620s., c.i.f. **CANDELILLA.**—Spot, 490s. per cwt.; to arrive, 490s. landed.

Essential and Expressed Oils

CASTOR.—Bulk supplies are quoted as follows: "Firsts," £82 per ton; "seconds," £80, both naked ex works.

CLOVES.—Bud oil is quoted by English distillers at 12s. per lb.

COCONUT.—Bulk supplies of crude oil continue at £49 per ton, but refined deodorised was recently advanced by £7 per ton to £56. Refined hardened deodorised was increased by £7 per ton to £60. All prices are naked ex works.

COTTONSEED.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined edible, £57; refined deodorised, £58, naked ex works.

GROUNDNUT.—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°-52°, £63.

Cocoa Butter Exports

THE following information regarding the export of cocoa butter and medicated confectionery is taken from a notice issued by the Ministry of Food. The notice includes also information on exports of cocoa powder, cocoa cake, chocolate and chocolate confectionery, sugar confectionery and chocolate couverture. By international agreement cocoa butter may only be exported if the country of destination is prepared to surrender an equivalent quantity of cocoa beans from its allocation by the

Combined Food Board in favour of the country making the export. The agreed rate is 100 tons of cocoa beans for every 40 tons of cocoa butter. It follows that cocoa butter can only be exported from the U.K. to a country having a cocoa bean allocation (UNRRA counts as a country in this respect).

When, therefore, an application for a licence to export cocoa butter is received by the Export Licensing Branch of the Board of Trade, it is referred to the Ministry of Food. The Ministry then ascertains whether the government of the country of destination is willing to surrender the appropriate quantity of beans and (since the Ministry has to buy them) whether they are of a type and at a price acceptable to the Ministry. Application for an export licence should only be made when the country of destination has issued the necessary import licence (except in cases in which import licences are unnecessary), and the number of the import licence must be quoted on the application. It will be observed that some considerable time must usually elapse between the submission of an application and the decision as to whether it can be granted or not.

The cocoa beans used in the manufacture of cocoa butter which is exported are replaced by the Ministry. It follows that it is unwise for manufacturers of cocoa butter to enter into definite commitments in respect of supplies of cocoa butter for export until they have ascertained from the Cocoa and Coffee Division, Ministry of Food, 49 Portman Square, London, W.1, the price at which the beans will be replaced. Subject to the conditions set out above, there is no restriction on the export of cocoa butter either as regards quantity or destination.

Medicated Confectionery.—There is no restriction on the export of medicated confectionery either as regards quantity of destination. Export licences are not required for medicated sweets, but allocated materials used in the manufacture of medicated confectionery for export are not replaced.

Attention is drawn to the Exports (Relaxation of Price Control) Order, 1946 (S.R. & O., No. 660). Copies of this Order are obtainable from H.M. Stationery Office. Claims for drawback, in respect of exported commodities containing dutiable ingredients, are met by Customs and Excise, but in the case of goods exported on behalf of UNRRA claims for drawback should be addressed to the Ministry of Food, together with evidence of shipment supplied by Customs and Excise.

TRADE MARKS

(From "The Trade Marks Journal," July 24)

- "DREFT" and "TIDE": for bleaching preparations and other substances for laundry use; detergents; cleaning, polishing, scouring and abrasive preparations; perfumery, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in hair waving, soaps and essential oils (3). By Thomas Hedley & Co., Ltd., Phoenix Buildings, Collingwood Street, Newcastle-on-Tyne. 640,832 and 640,953 (Associated).
- "JOHN'S": for medicated ointment, medicated preparations for the treatment of corns and warts, medicated foot salve, and medicines; all for sale in Northern Ireland (5). By John's Medicine Co., 58 Howard Street, Belfast, Northern Ireland. B633,186.
- "BISMALAX": for laxative preparations (5). By London Co-operative Chemists, Ltd., 24 Maryland Street, Stratford, London, E.15. 637,561.
- "ALPHABET-A-MINS": for invalid and diietic foods, being vitaminised pharmaceutical preparations (5). By Eloff Agencies (Proprietary), Ltd., Eloff Buildings, 41 Sauer Street, Johannesburg, S. Africa. 639,890.
- "NAVANO": for pharmaceutical preparations and medicated dressings for use in the treatment of the feet; medicated ointment for use in the treatment of warts (5). By The Navano Co., Navano House, 435 Central Drive, Blackpool. 640,266.
- "HOLLY-PAX": for catamenial appliances (5). By Tampax, Ltd., Belvue Road, Northolt, Middx. 640,398.
- "NARCODORM": for pharmaceutical preparations and substances (5). By H. Lundbeck & Co., Othilievej 7, Copenhagen, Denmark. 640,962.
- "LICURON": for pharmaceutical preparations (5). By The Lake-side Laboratories, Inc., 1707 East North Avenue, City of Milwaukee, Wisconsin. 641,056.
- "PLASTALITE": for optical instruments and apparatus made wholly or partly of thermo-setting and thermo-plastic mouldable material (4). By Combined Optical Industries, Ltd., 3 St. James Place, London, S.W.1. 631,413 (Associated).
- "ISOPAD": for electrically heated pads and apparatus employing electrically heated pads, all for surgical and curative purposes (10). By Walter Reik, 65 Lancaster Close, St. Petersburg Place, London, W.2. 640,285 (Associated).
- MONOGRAM "G.B.M.": for cameras and attachments for cameras (9). By George Bertram Montgomery, Rathnamore, Auchencairn, Castle-Douglas, Kirkcudbrightshire. 640,596.
- "HOTANTOT": for small domestic utensils and containers (not of precious metal or coated therewith) (21). By Robert Russell, 76 Kingsmead Road, Tulse Hill, London, S.W.2. 636,046.
- "EKCO": for small domestic utensils and containers made of plastics (21). By E. K. Cole, Ltd., Ekco Works, Priory Crescent, Southend-on-Sea, Essex. 638,664.
- "SUCAL": word on band encircling the globe; for small domestic utensils and containers (not of precious metal or coated therewith), combs, brushes included in class 21, glassware included in class 21 and not including washbasins and dustbins and not including any goods of the same description as washbasins and dustbins (21). By Callender-Suchy Developments, Ltd., Hamilton House, Victoria Embankment, London, E.C.4. 640,242 (Associated).
- "TRITILEX": for all goods (5). By Trinity Laboratories, Ltd., Brook House, Old Mill Street, Blackburn, Lancs. 639,291.

- "MARIA DANICA" ("Maria" disclaimed); for creams, face powders, toilet water, all being non-medicated toilet preparations; cosmetic preparations (not being toilet preparations), toilet rouge, lipsticks and perfumes (3). By Erik Friis-Hansen, 100 Fifth Avenue, New York, N.Y. State. 637,925.
- "COTY": for bath salts, talcum powder, face powder and face creams, all non-medicated toilet preparations; dentifrices, lipstick, soaps, perfumes, brillantine and hair lotions (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 650,612 (Associated).
- "JABLON": for pharmaceutical and sanitary substances, materials prepared for bandaging, disinfectants, and preparations for destroying vermin (5). By Henry Jablonski, Ltd., 3 Goodwins Court, London, W.C.2. B639,564.

(From "The Trade Marks Journal," July 31)

- "CALIME": for preparations of lime for use in manufactures, and for use in purifying water and sewage (1). By The Callow Rock Lime Co., Ltd., Callow Hill Works, Shipham Road, Cheddar, Somerset. 630,458 (Associated).
- "CALIME": for preparations of lime for use as insecticides, fungicides, disinfectants and deodorisers (5). By The Callow Rock Lime Co., Ltd., Callow Hill Works, Shipham Road, Cheddar, Somerset. 630,459 (Associated).
- "NYLAMEL": for chemical products used in industry, science and photography; adhesive substances used in industry (1); all goods (17). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 629,158/9 (Associated).
- "PHERESTANE": for chemical products used in industry, agriculture, horticulture and forestry (other than insecticides, fungicides and preparations for killing weeds); manures (natural and artificial); chemical substances for preserving foodstuffs; tanning substances (1). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 638,527 (Associated).
- "BLUE ORCHID": for perfumery, cosmetic preparations (not being toilet preparations), preparations for the hair, toilet soap; bath salts and skin lotions, being non-medicated toilet preparations (3). By Delavelle (G.B.), Ltd., 38/46 Orsman Road, Kingsland Road, London, N.1. B633,829.
- "CHEVRON": for bleaching preparations for laundry and household purposes, and hair lotions (3). By Berry Wiggins & Co., Ltd., Cecil Chambers, 86 Strand, London, W.C.2. 638,571 (Associated).
- "GAY DIVERSION": for perfume, toilet water (not medicated) and eau de Cologne (3). By Evelyn Westall Co., 136 East 57th Street, New York, U.S.A. 638,643.
- "DAISY DIAPER DIP" words on daisy design; for detergent compounds for washing clothes (3). By Battle Pharmaceuticals, Victory Building, 80 Richmond Street West, W. Toronto, Canada. 658,962.
- "MEUKO": for bleaching preparations and other substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps, perfumery, essential oils; toilet preparations (not medicated); cosmetic preparations; preparations for the hair and toilet preparations for the teeth (3). By Meuko Manufacturing Co., Ltd., Sadana Works, Damers Road, Dorchester, Dorset. 641,165.
- "CAROUSEL" and "COME-SEVEN": for brillantine, dentifrices, bath salts, lipstick, talcum powder, face powder and face cream, all being non-medicated toilet preparations; soaps, perfumes and hair lotions (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 641,253/4.



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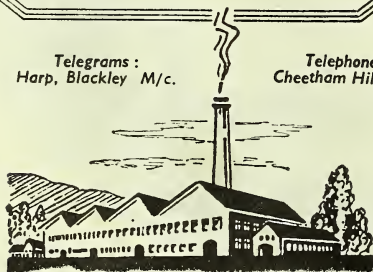
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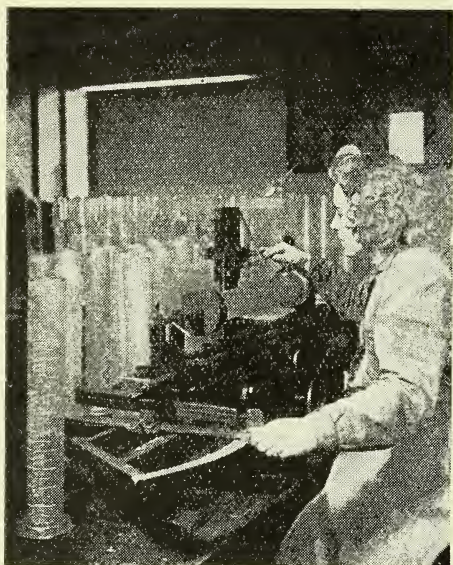
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Water Pipes, Room
Temperatures
& Refrigerators**



Attractive retail price:
offering profitable dis-
counts to the Trader.

The British Rototherm Co. Ltd.,
Merton Abbey, S.W.19. Lib. 3406

All types of High Class machinery for fine chemical cosmetic and similar trades, including laboratory equipment.

REED BROS. (Engineering) LTD.,
Bevis Marks House, London, E.C.3.
Telephone: AVENue 1901-5

GLASS BLOWING

BENCH BLOWN
**LABORATORY AND INDUSTRIAL
GLASS APPARATUS.** (Also REPAIRS)
G. C. AIMER & CO. 56-8 ROCHESTER PLACE
CAMDEN RD., N.W.1
GUL. 3618

THE LABEL SELLS YOUR PRODUCT!

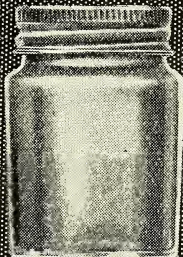
Give your made up products that distinctive appearance. Well designed, embossed, sticky-back Labels, in pleasing colourings, in six quick selling designs.

Haircreme	Brilliantine
Vanishing Cream	Cold Cream
Setting Lotion	Luxury Bath Salts

6/- per gross or any assortment of 10 gross at 4/- per gross. Goods sent by return of post. Send now for any of the above together with details of Emulsifiers, Raw Materials, and Jars available.

BRICCAS LIMITED Fortess Grove, Kentish Town,
London, N.W.5.
Telephone: Gulliver 3474

"National" Service



WHITE FLINT GLASS CONTAINERS
OF EXCELLENT QUALITY BACKED UP
BY FIRST CLASS SERVICE

WHOLESALE ONLY

Restrictions outside our control may not allow us to meet every requirement

NATIONAL GLASS WORKS (YORK) LTD.

WORKS: FISHERGATE, YORK. LONDON OFFICE: 105 HATTON GARDEN, E.C.1

Telephone: York 3021

Telephone: Holborn 2146

*Something really new
in insecticides!*

A sensational NEW insecticide recently evolved from a powerful formula will prove a tremendous seller in 1946.

"NO-ESCAPE" INSECT POWDER 666 (Gammexane) kills all vermin by touch and outclasses the ordinary insecticide. Once a customer has used "NO-ESCAPE" in killing flies, fleas, bugs, beetles, cockroaches, crickets, etc., he is sold for life. Harmless to animals. Approved by I.C.I. Retail 1/- Wholesale 96/- per gross. (Min. quantity 6 dozen.

Send your enquiries at once to
PROMEDICO PRODUCTS,
London, N.4.

NO-ESCAPE
666

INSECT POWDER
KILLS VERMIN BY CONTACT

A TREMENDOUS SELLER!

RABOK

THE WONDER WOOL

★ *Cleans as it Polishes
and never Scratches*

The Modern Method of Cleaning

Gold, Silver, Electro Plate,
Chromium, Etc.

Used by all Leading Silversmiths

Now available in attractive
Cellophane Pack

Trade Enquiries to:

The
RABOK MANUFACTURING Co., Ltd.
OUGHTIBRIDGE, SHEFFIELD



She reads

One, probably more, of the popular women's magazines *regularly*. She may see a whole lot more—which are also read by millions of others like her. In all of them—to say nothing of local and national papers—Tampax is advertised. Wherever woman goes

She sees

the message (Tampax brings freedom of action all the time)—a message of importance to women. A greater demand for this ever-popular line will come to you by reason of

TAMPAX
TRADE MARK
ADVERTISING

Packets of 10: TRADE 15/9 doz. RETAIL 1/9 Packet
 Distributed through leading wholesalers

TAMPAX LIMITED
 Sales Office: 110 Jermyn Street, London, S.W.1
 Telephone: Whitehall 8696/7

SURGICAL DRESSINGS

Wholesale Only

Enquiries are invited for any of the following manufactures—

Cotton Wools
 Boric Acid Wool
 Grey Wool
 Gauze and Cotton Tissue
 Absorbent Gauze
 Boric Acid Gauze
 Iodoform Gauze
 Mercury and Zinc Cyanide Gauze
 Picric Gauze
 Ribbon Gazues
 Absorbent Lint
 Boric Lint
 Picric Lint
 W.O.W. Bandages
 Crepe Bandages
 Domettes
 Flannel
 Muslin
 Triangular Bandages

Fast Edge Bandages
 Standard Dressings
 Merchant Ships Dressings
 Neck Wools
 Bacteriological Wools
 First Aid Dressings



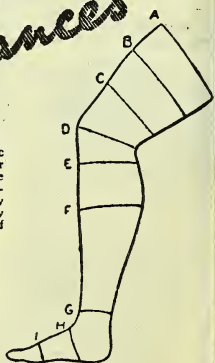
ROBERT BAILEY & SON, LTD
 SURGICAL DRESSING MANUFACTURERS
 DYSART STREET, GREAT MOOR, STOCKPORT
 Phone: GREAT MOOR 3006 Grams: "UNDISPUTED." STOCKPORT

HEWARDS

Surgical Appliances

Particulars of Elastic Hosiery and of other appliances from the extensive and comprehensive range made by Heward's will be gladly forwarded on receipt of a postcard.

ORDER THROUGH
 YOUR
 WHOLESALER



The R. H. Heward Co.
 CROWN ROAD WORKS
 TWICKENHAM

Phone: POPESGROVE 2243/4

Grams: BELTRUSS, TWICKENHAM

**A
Quality
Line..**

Sprykleen

(Including **D.D.T.**)
HOME DRY CLEANER

**PREVENTS
MOTH
AS WELL!**



RETAIL PRICE 1/6
(6 oz. Bottle)



Up goes the standard of Home Dry Cleaning and up soar the sales of **SPRYKLEEN!** Take your share of this brisk, big-value business. **SPRYKLEEN**, the lightning banisher of grease and grubbiness from all fabrics, is, in addition, the most deadly of moth repellents; and it's non-inflammable. A good showing of **SPRYKLEEN** pays well - and pays quickly!

CARLTON LABORATORIES LTD.,

1-5, JOINERS ARMS YARD, DENMARK HILL, LONDON, S.E.5.

*The Most Important Thing
next to the Products is the*

PACKAGING

**DECIDE ON
MONO**

Yes, make no mistake about it the packaging that counts the sales counter attractively hygienic MONO container will win your customer's respect

Ideal for a host of Peace products including Food Dairy Products and Pharmaceutical Preparations. We are now to offer suggestions and designs for MONO Containers meet the special requirements the Chemical and Allied Trades. Your enquiries are invited.



MONO means *BUSINESS*

PLAN YOUR POST - WAR CONTAINER NOW

MONO CONTAINERS LTD., CUMBERLAND AVENUE, PARK ROYAL, LONDON, N.W. Telephone: ELGAR 4044 (8 lines)

A MESSAGE TO COSMETIC BUYERS

Trust

LIPSTICK

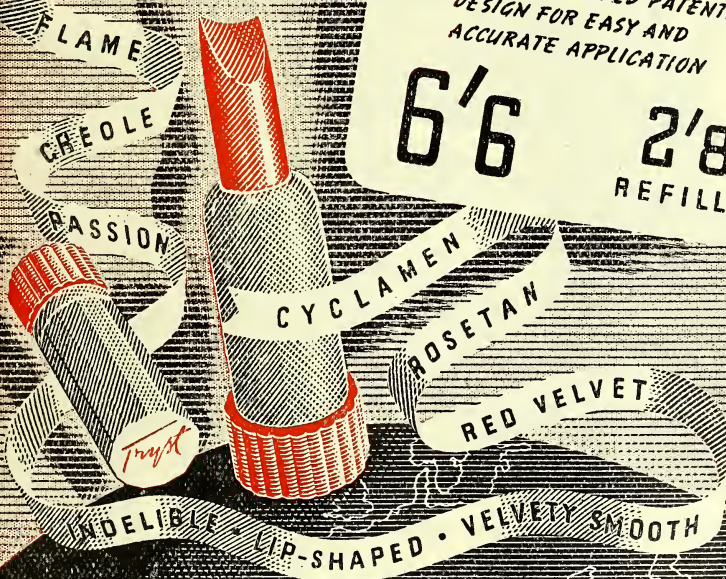
NOW PRESENTED IN 1946
STREAMLINE PLASTIC
PROPELLING CASE OF
DIGNITY AND CHARM

- ★ SIX FASCINATING SHADES
- ★ INDELIBLE - STAYS FRESH ALL DAY
- ★ VELVETY-SMOOTH TEXTURE
- ★ NEW LIP-SHAPED PATENTED DESIGN FOR EASY AND ACCURATE APPLICATION

6'6

2'8

REFILLS



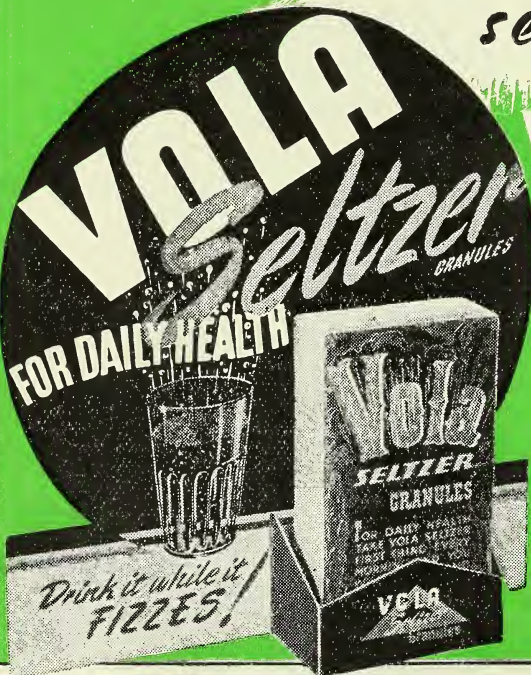
WORLD DISTRIBUTORS

ANDERSON & REEVES Limited

157-161 REGENT STREET LONDON W-1

Telegrams TRYSTREGE, Piccy, London Cablegrams TRYSTREGE, London Telephone REGent 1965/6/7

*This
magnificent
display piece will
help you to
sell...*



VOLA
Seltzer
GRANULES

—The modern method for the relief of Indigestion, Fatigue, Liver disorders and biliousness.

Vola Seltzer is achieving record sales throughout the country as more and more people realise the beneficial results obtained.

To assist retailers, the show card shown here will be supplied with every order of 3 dozen.

Retails at 2/- per bottle
(inc. tax) Usual trade terms
From your usual wholesaler or direct

You can rely on preparations distributed by:-



JOHNSON AGENCIES (PROPRIETARIES) LTD
CLARENDON WORKS
CLARENDON ROAD
CROYDON SURREY

Shakespeare — and your Products

*"... Costly thy habits as thy purse can buy
But not expressed in fancy; rich, not gaudy;
For the apparel oft proclaims the man ..."*

Hamlet, Act I, Sc. 3.

Good dress and neat appearance are essential to success. Shakespeare's words are eminently true for the products of modern commerce: the value of your goods is proclaimed by the appearance of the packing. PERCENTA specialise in every type of container, metal and plastic, for products which are daily reaching an ever-increasing market.



Containers
of



every
Description

FLASH! Attractive Plastic Lipstick Holders, 11 m/m size, push-up type, now available for Home Trade and Export in large quantities. 1,000 gross orders 54/- per gross. Smaller quantities prices on application.

PERCENTA LTD.

(Dept. 23).

69-73, Borough High St., London, S.E.1

Tel: HOP 1808 & 3751

SUROUALET

TRADE MARK

THE NEW ELECTRIC STERILIZER

Makes the Sterilization and Assembly of Syringes Safe and Foolproof.

PRICE
£5 - 15 - 0

Working Capacity 1 Pint... Boils in 10 Minutes. Overall Dimensions 8½" High and 4½" Diameter of Base.



SURGICAL EQUIPMENT SUPPLIES LTD

WESTFIELDS ROAD, LONDON, W.3

Name of Local Dealers on request

TAYLOR 695

THE "MATER"

CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 00.4.

**ALL TYPES OF
CLINICAL
AND OTHER
THERMOMETERS**



PERKEN, SON & CO. LTD.

(ESTABLISHED 1852)

8 HATTON GARDEN
LONDON, E.C.1

Telephone: 0724 Holborn

Telegrams:

"Optimus, Smith, London"

Wholesale Agents for Clinical

Thermometers:

FASSETT & JOHNSON, LTD.

86 Clerkenwell Rd. London, E.C.1

THE VITAMINS GROUP A.F.P.: BEMAX SALES: VITAMINS LTD.

Reviewing the Group's progress at the Annual Meeting, Mr. H. C. H. Graves pointed out that the dividend of 3d. per share represented 2½% to shareholders who put up 10/- per share in 1929, although British Company Law and practice made them describe it as 25% because the shares were nominal 1/- shares. It was, in his view, unfortunate that the Cohen Committee had not accepted a proposal to introduce "no par value" shares on the American pattern, since this would avoid such misconceptions which harmed industrial relations every day.

The Chairman then referred to their pride in their old established product Bemax—the best known vitamin preparation in this country. As they had emphasised for many years past, Bemax provided not only vitamins and minerals but also first-class protein. An ounce of Bemax provided the protein equivalent of 3 ounces of bacon daily. Although the supply continued short in relation to demand, the fairness and simplicity of their trade rationing scheme with the priorities accorded to doctors, maternity and child welfare clinics and hospitals, had been appreciated by the trade.

RESEARCH LABORATORIES AND EXPERIMENTAL STATION.

Their research laboratories at Hammer-smith, to which they already owed so much of their progress, were still being extended, as was their field experimental station near Henley. The development of new products, pharmaceutical, veterinary and agricultural, was one of the functions of the research department—that key fortress of any organisation devoted, as theirs was, to the preparation of food and pharmaceuticals for man and beast. He was confident that this department would maintain and, indeed, advance the reputation that had accrued to them over nearly a quarter of a century.

Steady progress continued to be made with their pharmaceutical products, now the financial mainstay of the business.

Some customers of Agricultural Food Products (A.F.P.)—their agricultural company—were bound to suffer from the recently announced cuts in pig, poultry and cattle rations. Each of the Group's Directors, however, was an expert on one or more phases of their activities, and with such a team of colleagues and with such a broadly based business as was comprised in the varied activities of their Group, he had no doubt of the ability of their Boards to steer their undertakings through the hazards of the times.

The Report and Accounts were adopted.

HERE'S A **CORN**
REMEDY YOU CAN'T BEAT
Hobson's Choice removes Corns in 3 to 7 days,
it is safe, sure and painless. Backed up by
widespread advertising it has become the
leading CORN_CURE on the market to-day.

100 00
Hobson's Choice
**FEET PLAISTERS
POWDERS**

Retail Prices :

Plaisters - - 2d.

Powders - - 1½d.

Combination
Pack - 7d.



HOBSON TRIMBLE CO., LTD.,
UNION HOUSE, LEEDS, 2

Sole distributors for Scotland :
SOUTHERN MANUFACTURING CO., LTD.,
187, St. Vincent Street, Glasgow, C.2.

Femese REGD.

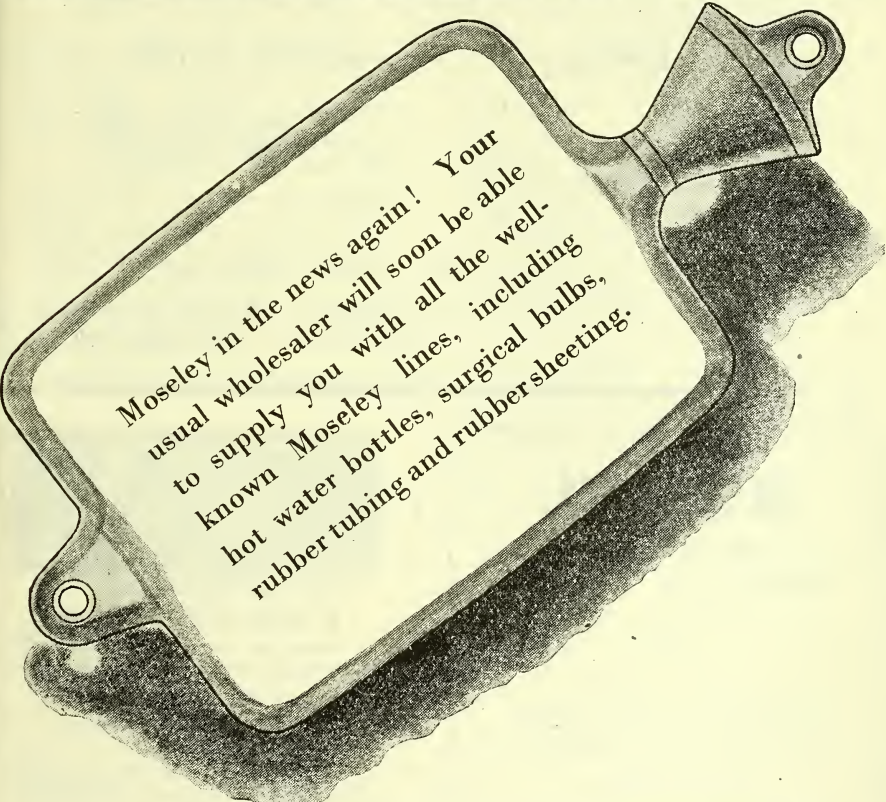
**SANITARY
TOWELS**

for
Perfect Reliability

NON CHAFING
HIGHLY ABSORBENT
In various sizes

WILFRED STRETCH & CO.
LIMITED
CASTLETON · ROCHDALE

MOSELEY



Moseley in the news again! Your usual wholesaler will soon be able to supply you with all the well-known Moseley lines, including hot water bottles, surgical bulbs, rubber tubing and rubber sheeting.

DAVID MOSELEY & SONS, LTD., ARDWICK, MANCHESTER, 12,
London, W.1: 53/55, New Bond Street. Birmingham, 15: 54, George Road, (Islington Row), Edgbaston.

RUBBER

INCREASE IN PRICES

BOVRIL LTD regret to announce that owing to a substantial rise in manufacturing and distributing costs, and particularly to the increased cost of Beef Extract, the present prices can no longer be maintained. Retail selling prices from 1st September, 1946, will be as follows:—

BOVRIL		INVALID BOVRIL	
1 oz. size	10d.	2 oz. size	1/9
2 oz. size	1/6	4 oz. size	3/2
4 oz. size	2/9	8 oz. size	6/-
8 oz. size	4/10	16 oz. size	10/-
16 oz. size	8/-		

*The war changed many familiar things, but
the high quality of Bovril remains the same.*

BOVRIL LTD · 148—166 OLD STREET · LONDON ECI

ADMUL

REFINED GLYCERYL
MONOSTEARATE EMULSIFIERS

For promotion of Oil-in-Water
or Water-in-Oil emulsions
of great stability

Limited quantities are now available

Please address inquiries to

ADVITA LIMITED

2 KINGSCOTE STREET, LONDON, E.C.4

ADL 1-929

CELLON SERVICE

FOR INDUSTRIAL WELFARE

FOR HEAD LICE

CELETANE

(Regd.)
Medicated (Lethane) Hair Oil—N.W.F.
Undetectable in use. Rapidly effective.

FOR SCABIES

BENZELIA

(Regd.)
Benzyl Benzoate—25%

An emulsion of high efficiency, extremely
effective in the treatment of this infes-
tation.

Further information, samples and prices upon request

KINGSTON-ON-THAMES

KINGSTON 1234 (5 lines)

**CELLON
LABORATORIES**
LIMITED

BESORBON SELLS ON SIGHT!



Besorbon medicinal snuff is in demand all the year round as a preventive remedy for Hay Fever, Colds and Catarrh. Put this attractive display box on your counter and it will make its own sales. Supplied with all orders for dozen lots—from all registered wholesale chemists.

KEMSALES LTD.

20 EASTCHEAP, LONDON EC.

"VRANILL"

SANITARY TOWELS

A new Brand here to stay.

Home and Export enquiries invited.

Orders in strict rotation.

Manufactured by:—

LENNARD, LEE-NARVILL & COMPANY LIMITED

Lee-Narvill Laboratories, Anlaby Rd., Hull.

PERFUMERY LABELS

Attractive stock designs in small or large quantities, also Chemists' Labels.

L. L. N. & CO., LTD.,

"S" Dept.

ALBEMARLE HOUSE,

265, ANLABY ROAD, HULL.

BEECHAM GROUP

EXPANSION POLICY

The 18th ordinary general meeting of the Beecham Group, Ltd., was held in London on July 26.

SIR J. STANLEY HOLMES, M.P., the chairman and managing director, said that the trading profit for the year ended March 31, 1946, earned by the companies of the group operating in almost all parts of the world, amounted to £2,784,729 compared with £2,491,581 in the previous year.

His speech last year had stated that the Beecham Group (which now consisted of over 100 companies and branches) had had its plans laid for a rapid expansion of its export business all over the world in the immediate post-war years. The increase in the profit on the export trade stated above showed that this plan was already in operation and that they were making their contribution to the national export drive. Throughout the world, and particularly in the British Commonwealth, they were strengthening their organisation and developing their trade. As it appeared particularly desirable that they should stimulate their activities in the Western Hemisphere, he had visited America at the end of last year, accompanied by Mr. G. A. Dunbar, M.C., the managing director of Beecham Export Corporation, Ltd.

FOOD COMPANIES ACQUIRED

Last year it had been reported that they had recently entered the food market and had acquired the equity of C. & E. Morton, Ltd. During the past year the shares of further food companies had been acquired at a total cost, including Morton's, of approximately £1,000,000. They had registered a new company with a capital of £1,000,000, styled "Beechams Food Products Limited," to which the shares of all the food companies had been transferred. They believed that they had not only acquired businesses soundly established and with great prospects, but that they had through them attached to the group a number of men of great experience in the food trade. They were satisfied that the organisation of the new enterprise was proceeding on right lines and would be progressively successful.

Their research investigations covered four main fields—food, pharmaceutical, veterinary, toilet and cosmetics. The research department was proving its value more and more every day. The considerable increase in the sales of many of their products made further factory accommodation necessary. After conferring with the Board of Trade, they had secured a site at St. Helens, where they already had their Beechams Pills factory, prepared plans and accepted a tender for the erection of a new factory, which they hoped would be completed by the end of 1947. They were also erecting a factory at Newcastle-upon-Tyne and had purchased in the neighbourhood of London a factory used for war purposes.

A study of the list of directors would show shareholders that the board of Beecham Group Limited consisted mainly of those who occupied important managerial positions in the subsidiary companies and who were giving their whole time to the work of the group. He did not propose to indulge in any prophecies as to the future, but he felt he could tell them that the results for the first quarter of the current financial year compared favourably with those for the same period last year.

The report was adopted.

Getting easier but still in short supply

Although we still cannot catch up with the constantly growing demand for Juno-Junipah, we are glad to say that supplies are a little easier than they were. Our plans for greatly increased production are beginning to come to fruition.

T. MARNS, LTD., 2 CAXTON STREET, LONDON, S.W.1

JUNO - JUNIPAH

The Woman's Own Health Salts

NODAN

NODAN—Prepared from a new and highly scientific formula obtains results very rapidly. Eradicates scalp disorders, stops scurf irritation. Non-toxic, non-greasy, does not stain. Sells at 3/10½d. per bottle, including tax.

SPECIAL INTRODUCTORY BONUS OFFER

Full particulars on application from the
SOLE DISTRIBUTORS
FASSETT & JOHNSON, LTD.
86 Clerkenwell Road, London, E.C.1



... IS THE WORLD'S FINEST
MILK FOOD

You can recommend it with every confidence for Infants. It is a Prideaux Product, and will show you a good return.
Please write for particulars.

PRIDEAUX MILK FOODS LTD.
EVERCREECH, SOMERSET

SANITARY TOWELS IMMEDIATE DELIVERY

£8-17-0 per gross packets

Send remittance to:-

**THE WOKINGHAM
CREPE PAPER CO**
64 Easthampstead Road
WOKINGHAM - BERKS

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLOROODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED



Sole Proprietors:

J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

PATA

Attention!
All chemists.

Why do so many chemists make FASTEETH their best seller in Fixatives? Because:—

- 1** Fasteeth holds dentures firmly without discomfort.
- 2** Utility pack ideal for display.
- 3** First class sprinkler with notched cap to avoid waste.
- 4** Profit very substantial, no outlay for purchase tax.

Order FASTEETH from your wholesaler today, 2/3 size price 18/- doz. or include with other products for a "best terms" parcel direct to:—

THOMAS MARNS LTD.,
2, Caxton Street, London, S.W. 1.

FASTEETH



Energen
BISMEAL
HIGH
PROTEIN
Breakfast Food

ENERGEN FOODS CO., LTD., WILLESDEN, N.W.10.



These are some of
the advertisements
which are bringing

BIG SALES GOOD PROFITS

to chemists all over the country.

Aero-Ped advertisements are appearing in the National and Provincial Press throughout the length and breadth of Great Britain. Aero-Ped has become immediately popular because it treats serious foot complaints — Dermatophytosis and allied mycotic affections. Aero-Ped contains P.M.N. (Phenylmercuric Nitrate).

SOLD ONLY BY QUALIFIED CHEMISTS

Benefit by the special money-making quantity discounts and send in YOUR order NOW.

Sole distributors:

S. MAW, SON & SONS, LTD.
Aldersgate House, New Barnet, Herts.

Manufactured by:

Aero-Ped Ltd., 35, Bessborough Place, London, S.W.1.

D6/16

PRICES:

WHOLESALE RETAIL
16/- per doz. 2/3 each
2/8 Pur. Tax. 27/- per doz.

18/8

PROFIT TO RETAIL TRADE
now over 40% on attractive
new

QUANTITY DISCOUNTS

2½% on orders for 2 dozen
5% on orders for 3 dozen
7½% on orders for 4 dozen
10% on orders for 6 dozen

BIOSAN

SHAMPOOSHEEN

The modern luxurious lathering
Shampoo Cream.

Shampoos SHEEN into hair
For all shades of hair, and all
members of the family.

Packed in Tubes. Retailing 7½d. Display
Outers of 3 doz. 13/6 Plus 4/6 P. Tax.
Also Bulk Supplies for Saloons.

AGENCY ENQUIRIES INVITED FOR
HOME & EXPORT.

LOVELUCK'S

LANOLINE BALM

An all-the-year-round seller for Medicinal,
Toilet and Infant use.

PROFESSIONALLY ELEGANT.

COMMERCIALLY ATTRACTIVE.

Retail 1/6. Display Outers 35/- inc. Tax.

Illustrated Price list of Toilets,
Specialities & Packings available from

Sole Distributors:

LOVELUCK EDWARDS & CO.
432/438 GARRATT LANE, S.W.18

NOW C.F. and P.A.T.A.

One application of:-



D.M.P. EMULSION CREAM

will prevent bites by
GNATS, MOSQUITOES, MIDGES
and other insects
for **THREE TO FIVE** hours

A smooth white cream containing 30% dimethyl
phtalate, as successfully used by Allied forces in
tropical war areas.

NO UNPLEASANT SMELL, NO GREASY FILM.
Handy flat aluminium boxes in sales-compelling
dozen display outers.

ADVERTISED THROUGHOUT THE
SEASON.

Retail: 2/- including Tax

Wholesale: 1 doz. 13/-, 3 doz. 12/4 doz.
Purchase Tax 4/4 doz. Carriage Paid.

CHRISTIE, GEORGE & COMPANY
84, Moss Lane West,
MANCHESTER. 15



THIRTY YEARS REPUTATION

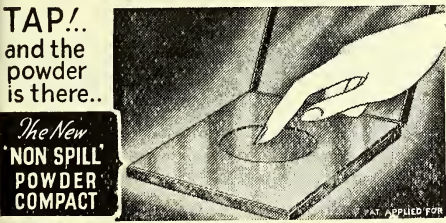
Kenrosa LTD.
LONDON. E.5.



Manufacturers of
**PASHANA FOUGERE LOTIONS
TONERES & DRY SHAMPOO ETC.**

**EXTEND YOUR TRADE
USE A TRADE MARK
CONSULT
TRADE MARK PROTECTION SOCIETY
12, CHURCH STREET, LIVERPOOL.**

Good! it's MASON'S
EXTRACT OF HERBS
The Chemists' FAVOURITE for over 75 YEARS
A 9d. bottle makes 6 gallons of delicious sparkling Mason's Herb Beer. **GOOD PROFITS—QUICK SALES**
Write for Trade Terms
NEWBALL & MASON LTD., NOTTINGHAM. Est. 1850



NO SIFTERS · POWDER CANNOT ESCAPE · ALL METAL
Enquiries to Sole Distributors
MADELOX LTD · 168 Corporation St · Manchester

Ahead of beauty

A few territories are still available for Overseas Representation
Export enquiries invited

Jean Claude
Specialists in Beauty Preparations
**TALCUM POWDER · LIPSTICKS
SHAMPOOS · MASCARA**
JEAN CLAUDE (Sales), Ltd., 31, Theobalds Rd., London, W.C.

“OXOID”

The word “OXOID” is the trade mark of OXO LTD., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.
ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS

For PERNICIOUS ANÆMIA

OXO LTD'S LIVER EXTRACT

FOR INJECTION (I.M.)

A highly potent preparation for the treatment of pernicious anæmia.

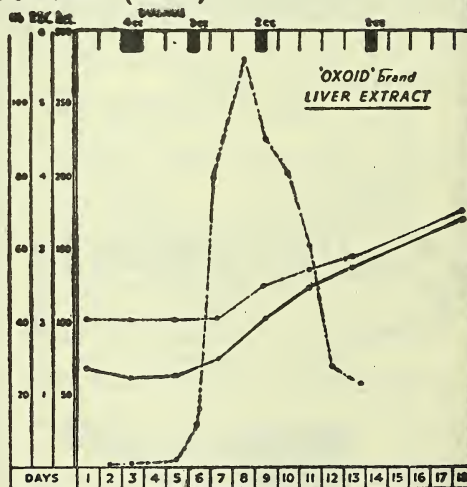
Dosage in emergency cases is 4 c.c. initial dose, followed by 2 c.c. at three days intervals in the first week and 2 c.c. at weekly intervals subsequently. This will usually raise the blood count to normal in a few weeks.

Maintenance dose: 2 c.c. monthly.

Supplied in ampoules of 2 c.c. and
Bottles of 10 c.c. and 20 c.c.

Ampoules: 6 (6/6); 12 (12/6); 50 (48/-);
100 (92/-).

Bottles: 10 c.c. (4/9); 20 c.c. (8/6).



KEY TO GRAPH.

- Haemoglobin per cent.
- Red blood corpuscles in millions.
- Reticulocytes per 100 red cells.

Literature supplied on application.

OXO LIMITED, Thames House, London, E.C.4

★ OXO LABORATORY PREPARATIONS ★



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

AUGUST 10
1946

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

SOFT SOAPS

or Textile and other technical and general uses.

Some lines not yet available owing to war-time regulations.

W. M. DELF & CO.,

SOAP AND DISINFECTANT MANUFACTURERS
DELCO WORKS, RICE LANE, LIVERPOOL, 9

Telegrams: Glycerine, Liverpool
Telephone: Aintree 1752 (2 lines)

DENTAL STICKS

Retail Chemists who have not yet stocked Dental Sticks should seriously consider obtaining supplies through their Wholesaler or direct from

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RETAIL (HOME)

ASSISTANT required (qualified preferred). Accurate Dispenser and good Window Dresser. No Sunday or holiday duty. Apply Reed, Chemist, 32 Church Street, West Ham, London, E.15.

CHANNEL ISLANDS. Young qualified assistant, single, required in good-class progressive pharmacy. Duties mainly dispensing and technical, under good conditions. Salary £7-£10 according to age and ability. References, photo, and whether interview can be arranged. C. M. Stone, 39-41 Bath Street, Jersey, C.I.

CHEMIST requires assistance pricing stockbooks. Qualified or unqualified. Temporary 3/4 months. London. Apply 111/487, C. & D. Office.

DURHAM COUNTY. Excellent opening is offered to recently qualified Pharmacist (either sex) as manager in old-established Privately owned Pharmacy. Valuable opportunity for experience in all branches of the business. Good salary. Phone: Ryhope 259. Ileys' Ltd., Ryhope, Sunderland, Durham.

ELDERLY Qualified Assistant wanted for a good class business. State salary required and experience, etc. Williams & Smith, Chemists, Horsham

EXCELLENT opening is offered to recently qualified gentleman as assistant pharmacist in well established, privately-owned pharmacy in St. Pancras district. Valuable opportunity for experience in all branches of the business. Write or phone with view to interview. Doughty, "Al Araf," Dudley Road, Finchley, N.3. (Fin. 3410 or Gulliver 1650).

GILLINGHAM Co-operative Society have vacancies for Qualified Pharmacists. Excellent prospects for keen men. Superannuation scheme in operation. Living accommodation available if required. Apply stating age, experience, and salary required to Managing Secretary, Gillingham Co-operative Society, Kent.

HAYES, Middx. Pharmacist required to manage busy pharmacy. Good salary paid to suitable applicant. Permanency. Gaylards (Chemists), Ltd., or phone 356 for appointment.

HAYES, Middx. Unqualified lady assistant required for busy pharmacy. Good salary paid to right person. Permanency. Gaylards (Chemists), Ltd., or phone 356 for appointment.

MANAGER wanted for small, good-class Pharmacy in the West End of London. Would suit any young man or woman recently qualified wishing to gain experience. Apply 113/579, C. & D. Office.

ORRIDGE & COMPANY Employment Agency, Columbia House, Aldwych, W.C.2. Chancery 6446-7. Branches at Southampton and Birmingham. Enquiries invited from Pharmacists and Unqualified persons requiring situations. Many attractive vacancies available. Excellent opportunities existing in progressive permanencies. Locums provided for. No charge to employees except registration fee. Apply to Columbia House in first instance.

PHARMACIST required as manager. Permanency. Good salary to suitable applicant able to commence at once. Lionel Kirby, Ltd., 261 Dewsbury Road, Leeds, 11. Phone 75696.

PHARMACIST required to manage an old-established business in East Ham. Good wages with prospects and permanency. Two assistants kept. Commence early September. Apply Roach, c/o Frank Mays, Ltd., 26 Barking Rd., East Ham, London, E.6. Phone: Grangewood 0601.

QUALIFIED lady required for dispensing business. Pleasant position. No Sunday or holiday duty. Part time if preferred. Apply: Timmis & Kirk, 183 High Street, Beckenham.

QUALIFIED Pharmacist, male or female, able to take charge in absence of manager. Permanent. Superannuation scheme. No Sunday or half day duty. Applications, giving fullest details qualifications, experience, previous engagements at when free, to be sent to Crewe Co-operative Friendly Society, Limited, Co-operative Street, Crewe, not later than 13th August, 1946.

TIMOTHY WHITES & TAYLORS have vacancies for Qualified Pharmacists as managers various parts of the South of England, including the greater London area. Responsible posts with good progressive salaries are available to capable men. Interviews are arranged to suit applicant convenience. Apply giving full particulars to Retail Staff Manager, Timothy Whites & Taylors, Ltd, 70 Vauxhall Bridge Road, London, S.W.1.

THE Royal Arsenal Co-operative Chemists have vacancies for qualified and unqualified pharmacists, in their branches throughout south-east and south-west London. Good conditions of service on holidays with pay. Trade union rate of wages. Apply in writing stating age, experience and salary required, to the Staff Manager, Royal Arsenal Co-operative Chemists, 113 Powis Street, Woolwich S.E.18.

TWO qualified ladies or gentlemen required at once—one for management of branch shop, S.E. London. Good salary and excellent prospects especially for the right kind of person requiring a secure future. Reliable references required. Advertisements does not mind waiting if immediate acceptance is not possible. 113/582, C. & D. Office.

TWO Qualified Managers required for reopening West End pharmacies. Comfortable posts. Hours 9 a.m.-6 p.m. Half day off, no Sunday duty. Write 112/517, C. & D. Office.

UNQUALIFIED assistants (male) required. West End. High class trade. No Sunday duties. Write 112/518, C. & D. Office.

UNQUALIFIED Assistant, with dispensing experience, wanted for busy pharmacy. Comfortable post offering excellent opportunities for experience. Easy hours, other staff kept. Full details, salary, etc. first letter. J. B., c/o Lester & Williamson, Ltd., Chemists, Great Heath, Coventry.

UNQUALIFIED Lady required as first counter hand. Easy hours, dispensing not essential. Apply in first instance by letter to Clark & Co. Chemists, Dorking, stating age, salary, etc.

WANTED, Pharmacist (male or female). No Sunday or half-day duties. Written applications, stating age, experience, etc., to General Manager, Sowerby Bridge Industrial Society, Ltd., 60 West Street, Sowerby Bridge.

WE have several vacancies for Branch Managers which offer considerable scope, security of tenure and a pension. Should any pharmacist be interested a confidential interview could be arranged to discuss terms. Apply to Superintendent Chemist, London Co-operative Chemists, Ltd., 54 Maryland Street, Stratford, E.15.

WINDSOR. Qualified Assistant, lady or gentleman, for good-class busy dispensing business. Apply, with particulars as to experience, salary required, etc., to Wood, Chemist, Windsor.

LOCUMS WANTED

LOCUM required. Pharmacist, lady or gentleman. Aug. 12-24. Efficient staff. Very easy hours and duties—mainly a little simple dispensing and poison supervision. Good remuneration. W. M. Nicoll, The Bridgnorth Pharmacy, Bridgnorth, Shropshire.

WHOLESALE

ASSISTANT for tinctures, infusions and ointments, also in tablet department. Apply, with details of experience, J. H., 66 Park Street, Southwark, S.E.1.

CHEF Chemist required by leading cosmetic and pharmaceutical manufacturers. Highly qualified and thoroughly experienced. Required to devote majority of time to research but also to take responsibility for manufacture, buying of raw materials and direction of work for two qualified assistants. Commencing salary over four figures and prospects for right man unlimited. Write stating age, qualifications, posts held and present salary. Strictest confidence. 111/504, C. & D. Office.

CHEF Chemist with administrative experience required for research laboratory to control product research, including improvement of existing products and development of new products, and to supervise analytical laboratory. Salary according to experience up to £1,500 per annum. Reply, giving full details of qualifications and experience to 14/587, C. & D. Office.

EXPERIENCED organic chemist required for manufacture of fine and pharmaceutical chemicals. Should be in position to supervise processing and research. Responsible and progressive post. Good salary to suitable man. Write 113/581, C. & D. Office.

EXPERIENCED Tablet Maker required for London House. Permanent and progressive opportunity. Write full particulars. 113/567, C. & D. Office.

EXPORT Clerk required to assist Manager, North London manufacturing chemists proprietary toilet articles. Applicants must be experienced in invoicing and familiar with export regulations, accurate at figures, with shipping experience. Excellent prospects for conscientious, hard worker. Experience in the preparation of returns and statistics an advantage. Applications, stating age, if married, particulars of experience, salary required, to Box No. 985, L.P.E., 110 St. Martins' Lane, W.C.2.

EXPORT Invoice Clerk-Typist for Manufacturing Chemists, N.W. London. Good prospects, previous experience essential. Write full particulars, age, salary required, etc. 113/565, C. & D. Office.

GEORGE BELL'S Pet Remedies. A few vacancies are available for Representatives of high integrity, ability and smart appearance. Apply Bell & Sons, Ltd., Veterinary Chemists, Silverdale Works, Liverpool, 13.

LIVE Salesmen with established connections required to sell beauty preparations and toilet goods in great demand. Commission basis only. All areas. 114/586, C. & D. Office.

LONDON Manufacturers producing articles of interest to wholesale and retail grocers, chemists and stores, require additional manufacturers' agents and individual representatives in all parts of the country. Details of type of trader called on, area covered and lines carried to 114/592, C. & D. Office.

MALE or female Cost and Invoice Clerk required. Must be fully conversant with Surgical Sundries. Write stating experience and salary required to the Medical Supply Association, Ltd., 167 Grays Inn Road, W.C.1.

MANUFACTURERS of well-known pharmaceutical products require Representatives with experience of medical propaganda. Territories vacant: Greater London and Southern Counties. Apply, giving particulars of experience, age, and salary required to 114/589, C. & D. Office.

PILL MAKER required for London Manufacturing House, to understudy foreman with a view to taking full control of department in near future. Excellent opportunity for man of ability. Write full particulars, experience, salary required, etc. 113/566, C. & D. Office.

REQUIRED by a firm of Surgical Dressing Manufacturers, Yorkshire district, young assistant chemist, qualified in control laboratory. Aptitude and conscientiousness more important than experience. State age, qualifications, experience and salary required. 114/607, C. & D. Office.

REPRESENTATIVE required to carry one additional line on 10 per cent. commission in the following areas: Derbyshire, Nottinghamshire, Warwickshire, Northants, South Wales, West of England. Ample stocks available to experienced men who are well introduced to retail chemists. Please state lines already carried. 113/585, C. & D. Office.

SALESMEN required for most areas to sell to chemists and hairdressers best quality raw materials for manufacturing toilet goods. Large range of goods available including bottles and jars. Only first-class salesmen who can prove results who will be given liberal drawing account during trial period need apply. Salary, commission and expenses after trial. Send full details. 112/521, C. & D.

STOCK Keeper or Order Clerk required for Surgical Sundry Dept. Only fully experienced need apply, male or female. Permanent position assured. Write giving full particulars and salary required to The Medical Supply Assn., Ltd., 167/173 Grays Inn Road, W.C.1.

TABLET Making Expert required to elaborate method of tableting a compound powder by simplest process, possibly avoiding wet granulation. Write in confidence to 114/605, C. & D. Office.

TABLET Maker required by London Wholesale Druggists. A knowledge of pearl and sugar coating would be of advantage. 112/529, C. & D. Office.

TABLET Maker required by a London firm of Manufacturing Chemists. Applicants must have had experience of all kinds of Tablet making and Sugar coating and must understand Rotary machines. 5-day week. Apply in the first instance to Box 110/466, C. & D. Office.

TRAVELLERS required in the following territories: Surrey, Sussex, Hants, Dorset. Must be conversant with druggists' sundries and pharmaceutical goods. Particulars of experience, salary, etc., required to Box 224, Smiths', 100 Fleet Street, E.C.4.

TRAVELLERS wanted to handle additional quick-selling lines, must have connection with chemist shops and departmental stores. Box PP.2812, Samson Clark, 61 Mortimer Street, W.1.

WELL introduced Sales Representative required for high-grade luxury toilet preparations (nationally advertised), to be carried as additional line on commission basis; to call on chemists, hairdressers and departmental stores for various provincial areas. Give references in first letter and name present lines carried. 114/612, C. & D. Office.

WORKS Chemist wanted by London firm of insecticide manufacturers for their Surrey factory. One with previous factory experience and reasonable grounding in chemical engineering preferred. Progressive post and good opportunity for right man. Apply by letter only stating age, qualifications, experience and salary required, to Rentokil, Ltd., 168/170, Stockwell Road, London, S.W.9.

WORKS Manager required for East London factory. Must be experienced and able to control labour. Excellent prospects for ambitious man. 114/593, C. & D. Office.

YOUNG qualified assistant required for small manufacturing pharmaceutical laboratory. Birmingham district. Apply stating age and salary required to 114/595, C. & D. Office.

WHOLESALE (OVERSEAS)

An important British Company has a vacancy for a pharmacist to take charge of a selling region in India dealing with the company's pharmaceutical products. Age about 30 years, general commercial experience and knowledge of Eastern markets an advantage. Applications in the first instance with the fullest particulars to 114/594, C. & D. Office.

NEW ZEALAND. An opportunity occurs for a smart young qualified chemist, experienced in manufacturing galenicals, ointments, tablets, etc. Not afraid of work. Must be available to leave for New Zealand soon. Full particulars to: L.B.S., c/o Fowle, Reid & Wills, Ltd., Epworth House, 25/35 City Road, London, E.C.1.

WELL known firm of manufacturers of pharmaceutical preparations requires the services of a representative in India. Applicants must have had similar experience in India and be capable of organising and controlling other representatives, some of whom will be native Indians. Apply, stating age, experience and salary required, to 108/399, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

DUTCH girl, 21, chemist's assistant, desires employment in doctor's family as assistant and lady's help. T. C. Groot, Hamerstraat 16, Amsterdam, N., Holland.

WHOLESALE

EIRE. Well-known Representative (L.P.S.I., hons.), after eight years with prominent British house calling on chemists in Eire, seeks change. Would represent British or Irish house or would consider first-class sole agencies. Age 33. Own car. Capable and energetic. Box 110/472, C. & D. Office.

EX-REGULAR R.A.F. N.C.O., experienced in handling staff, knowledge of transport organisation and general storekeeping, qualified driver including heavy goods vehicles, requires situation London district. 113/545, C. & D. Office.

LADY representative with excellent sales record seeks post full or part-time London, Home Counties or South Coast. Prince, 37 St. Christopher's Buildings, London, W.1.

LIVE connection among retail and wholesale chemists, co-ops, stores, offered to house of repute in Sussex, Hants, Dorset, Wilts, Devon, Somerset. Representative twelve years on territory. Car owner. 114/610, C. & D. Office.

SALES Manager, ex-serviceman, aged 38, experienced pre-war general sales manager rubber trade, desires executive position of trust. Highest credentials. 114/591, C. & D. Office.

WELL-INTRODUCED Representative (27) desires career with house of repute. Known to some 4,000 pharmacists, doctors, dentists throughout South-Eastern and Eastern Counties. Experienced propaganda detailing (trade and professional). Highest references. Car driver. Willing to travel. 113/546, C. & D. Office.

APPOINTMENTS

ASSISTANT PHARMACIST (Locum Tenens) Male or Female required immediately. Salary seven and a half guineas per week. Apply stating age and qualifications to Medical Director, Hill End Hospital, St. Albans.

BROMPTON HOSPITAL, S.W.3

Applications are invited for the post of First Assistant Pharmacist. Salary in accordance with the recommendations of Joint Negotiating Committee. Federated Superannuation Scheme in force. Applications, stating age and previous experience, and accompanied by copies of three recent testimonials, must reach the undersigned, from whom further particulars of the post may be obtained, not later than Monday, September 2.

F. G. ROUVRAY,
Secretary.

EAST HAM MEMORIAL HOSPITAL, SHREWSBURY ROAD, E.7

ASSISTANT. HALL., urgently required for one week commencing August 12. Apply by phone as soon as possible to the Secretary Superintendent. (Not Saturday afternoon).

HERTFORDSHIRE COUNTY COUNCIL SHRODELLS HOSPITAL, WATFORD

ASSISTANT PHARMACIST, M.P.S., required at Shrodells Hospital, Watford. Salary and conditions of service in accordance with the Scale of the Joint Negotiating Committee (Hospital staffs), i.e., £320 p.a. x £15 to £380 and £20 to £400 maximum. Forms of application may be obtained from the Chief Administrative Officer.

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST. Applications are invited for the following appointment at the County Hospital, Dartford. Assistant Pharmacist (M.P.S. or Ph.C.). Either sex, hospital experience preferred. Salary £320 a year by four increments of £15, one of £20 to £400 a year. Superannuation. Medical examination necessary. Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

County Hall, Maidstone.
August 1, 1946.

LONDON COUNTY COUNCIL

ASSISTANT PHARMACIST (whole-time) required at Friern Hospital, New Southgate, N.11, and St. Bernard's Hospital, Southall, Middlesex (part-time at each hospital). Candidates must be Registered Pharmacists. Salary £320 rising to £400 a year. Commencing salary according to experience. Application form from Medical Officer of Health (I), Mental Health Services, County Hall, Westminster Bridge, London, S.E.1. (1912).

MIDDLESEX COUNTY COUNCIL

Locum required immediately in the pharmacy at HILLINGDON COUNTY HOSPITAL for holiday duties. Salary £8 8s. weekly, or pro rata for part-time work. Apply Medical Director, Hillingdon County Hospital. (A.152).

QUEEN MARY'S HOSPITAL FOR THE EAST END, STRATFORD, LONDON, E.15

SECOND ASSISTANT PHARMACIST. Applications are invited from Registered Pharmacists for this appointment. Salary in accordance with the scale approved by the General Negotiating Committee (Hospital Staffs), £320 p.a. with annual increases up to £400 p.a. Applications, giving full particulars of age, qualifications and experience, and accompanied by copies of recent testimonials, should be sent to the House Governor and Secretary not later than August 22, 1946.

ROYAL EYE HOSPITAL, SOUTHWARK

Assistant Dispenser required for above Hospital; must be fully experienced, salary according to British Hospital Association scale. Copies of three testimonials to accompany application which should be received on or before August 13. Secretary, Royal Eye Hospital, St. George's Circus, London, S.E.1.

RAMPTON STATE MENTAL**INSTITUTION, NR. RETFORD, NOTTS.**

WANTED. PHARMACIST (Female). Scale of Salary:— £250 x £15 x £325 per annum (basic), plus consolidation addition, making it £313 at the minimum and £397 at the maximum, plus quarters (consisting of a bedroom and sitting room) valued at £40 per annum for Superannuation purposes. Food is provided at cost price (at present 14s. per week). Subject to the issue of a certificate of qualification by the Civil Service Commissioners the post would be pensionable under the Civil Service Superannuation Acts. Further particulars will be provided on request. Amenities such as tennis courts, badminton and a swimming pool, etc., are available free of charge.

Applications, stating age, experience and references, etc., should be sent to the Medical Superintendent.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACISTS at:— KINGSTON COUNTY HOSPITAL, Wolverton Avenue, Kingston-on-Thames, BOTLEY'S PARK HOSPITAL, Chertsey. Must possess Ph.C. or Chemist and Druggist qualification, salary on grade £320 by annual increments of £15-£400 p.a. inclusive. Apply to Medical Superintendent of appropriate Hospital.

SURREY COUNTY COUNCIL,**BROOKWOOD MENTAL HOSPITAL, KNAPHILL, WOKING, SURREY**

Applications are invited for the post of Assistant Pharmacist at the above Hospital. Candidates must hold the M.P.S. qualification. The salary is £320 rising by four annual increments of £15 and one of £20 to the maximum of £400 per annum. The appointment, which is terminable by one calendar month's notice on either side, is subject to the provision of the Asylum Officers' Superannuation Act, 1909, and to the County Council's Staffing Regulations, and the successful candidate will be required to undergo a medical examination. Applications, stating age, previous experience, together with copies of three recent testimonials to be sent to the Physician-Superintendent, Brookwood Hospital, Knaphill, Woking, Surrey, as soon as possible.

BUSINESS OPPORTUNITIES

2/6 for 36 words or less, 3d. for every additional word

COMPANY with good connections in "Middle East" wishes to contact manufacturer desirous of rapid expansion in both home and export trade. View to manufacturing cosmetics and various pharmaceutical preparations urgently needed in said markets. Write in confidence to 114/606, C. & D. Office.

TABLETING capacity available. First-class work guaranteed. 112/539, C. & D. Office.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

HILLIER, PARKER, MAY & BOWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Others contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Bowden, 77 Grosvenor Street, W.1.

MANUFACTURING Chemist wishes to purchase in Manchester area manufacturing and/or wholesale concern in drugs, patent medicines, etc. Would consider alternatively any allied business. Capital approx. £10,000. Must stand thorough investigations. All communications in strictest confidence under 114/614, C. & D. Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word

FOREST GATE, corner shop and house, freehold, for sale. Was chemist shop previous to damage by blast. Excellent position. House being repaired. Purchaser can get priority for shop repairs. 113/564, C. & D. Office.

GENUINE business with Kodak agency offered for sale in industrial village in Northamptonshire. No opposition. Was established pharmacy over forty years, until 1943. Run as drug store since that date. Easily reconvertible. Freehold premises, with good living accommodation and storage. Auditors figures available. Annual turnover app. £3,500. Stock about £600-£700. Price for fixtures, fittings, premises, goodwill and stock, £4,000. 114/602, C. & D. Office.

SMALL registered manufacturers of toilet preparations business for sale. 114/603, C. & D. Office.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word.

ADVERTISER having extensive connection among wholesale chemists, hairdressers, co-ops, etc., seeks additional agency on commission terms. 500 open wholesale accounts. 114/609, C. & D. Office.

CANADA. Coast-to-coast coverage of retail/wholesale drug trade. Large sales agency, 14 distributing warehouses, wishes to represent English manufacturers of pharmaceutical specialities, household medicinal products, toilet sundries, etc. Write Laurentian Agencies, 429 St. Jean Baptist Street, Montreal, P.Q., Canada.

EGYPT. Overseas Agent with wide organisation has recently arrived in U.K. and would like to contact manufacturers of pharmaceutical, cosmetics, plastics and chemists' sundries. Full information with confidence to 114/590, C. & D. Office.

PHARMACEUTICAL Chemist open to accept agencies in Eire for reputable lines in pharmaceutical and toilet preparations. Good connection with retail trade. Advertiser has centrally situated premises and would consider manufacturing packing and distributing if required. 114/598, C. & D. Office.

REPRESENTATIVE calling on all chemists in West Country, South Wales, part Midlands, on behalf of nationally advertised household name can represent one other house of repute. Toilet or similar line required. Only first-class proposition considered. 114/597, C. & D. Office.

REPRESENTATIVE required, British Isles, well introduced to wholesalers, to carry as sideline D.D.T. fly papers. 114/604, C. & D. Office.

SCOTLAND and Northern Counties of England. Agencies required by first-class toilet distributing house, calling and doing business with every wholesale chemist and hairdressers' sundriesman in the area, also handling the retail side. Connection with Co-operative Societies and dept. stores is a very valuable one. This is first-class representation and only lines of repute will be considered. Both partners M.S.M.A. 114/600, C. & D. Office.

SCOTTISH firm of manufacturers and distributors require a few additional sound lines. Sole agencies for Scotland only. 114/599, C. & D. Office.

WELL organised concern, capable of handling all classes of drug, fine chemicals, packed pharm. surgical products, etc., seeks exclusive representation for British manufacturers in Siamese territory. C.I.F. terms to any amount. Complete and efficient sales organisation. Correspondence invited. Write 110/456, C. & D. Office.

WHOLESALE distribution is required in certain areas for several high-grade pharmaceutical preparations. Distribution of these is preferred through chemists, although some are of keen interest to hardressers. First-class wholesalers at Manchester, Birmingham, Cardiff and Dublin are specially invited to request samples. Please write. 114/611, C. & D. Office.

WANTED

7/6 for 36 words or less, 2d for every additional word.

A GOOD price offered for Cameras, Enlargers and All Photographic Apparatus, Exposure Meters, Tripods, good Binoculars, Microscopes, Cine-Cameras and Projectors, prompt cash. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.19.

BOTTLES, 4-oz., urgently required. Ozonol Laboratories (1930), Ltd., New Wharf Road, N.1. Telephone: Terminus 3727.

BOTTLES, No. 3 Tablet Size, screw caps, urgently required, up to 200 gross wanted. Samples and prices to: Three Crowns Tablet Company, 21-25 Deringham Street, Hull.

COLD Compression machine for suppositories, 30-grain bullet shape. Must be perfect. Particulars to Ansun, Ltd., 49 George Street, Newcastle, Staffs.

EDIBLE Sheet and Powdered Gelatin required in large quantities. 965/970, C. & D. Office.

MANUFACTURERS require, for own use, regular quantities (large or small) of Lactose B.P., or Edible and Citric Acid. 106/328, C. & D. Office.

MANUFACTURERS require $\frac{1}{2}$ oz. and 1 oz. jars with screw caps. Full particulars to 114/588, C. & D. Office.

SEEDS drawers wanted; any quantity. Sower-butts, Ltd., Ashton-under-Lyne.

STEARIC Acid Triple Pressed required in large quantities. 965/969, C. & D. Office.

WANTED. Aluminium bottles, 1, 2, 4, 8 and 16-oz. capacity for export packings. Any quantity, large or small. S. Khan, 31 Norton Folgate, London, E.1.

WANTED. Saccharin 550 powder or tablets, any quantity, also aspirin powder, aspirin tablets, phenacetin powder, extract of malt and glycerin. All purchases cash with order. Excess stocks also bought. 114/601, C. & D. Office.

WANTED, 550 Saccharin Powder, also bulk supplies Standard Saccharin Tablets. Large or small quantities taken. Replies to W. Pearce, 143 Endike Lane, Hull. Tel. No. 10986.

8 OZ. Plain Medicals, 8-oz. ribbed Ovals, 2 24-oz. Panels; divisioned Cartons to hold any of these. Samples and prices to S. Tatlow & Co., Ltd., Eckington, Sheffield.

26 OZ. and 13-oz. Wine or Champagne Bottles required. 625/524 C. & D. Office

EXPORT TRADE

MANUFACTURERS of high-class concentrated fruit essences wish to contact overseas customers, shippers, buying agents. Open to negotiate sole distribution rights. Also suppliers of industrial camphor oil. Prompt deliveries. Apply 114/613, C. & D. Office.

MANUFACTURERS of pharmaceutical products interested in developing Indian market please contact leading firm with branches all over India. Rep. now in London. 113/580, C. & D. Office.

REPRESENTATIVE, transferring to Canada shortly as Agent requires further lines for British firms. Telephone Tideway 4037.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

A COMPLETE parcel (in eight unopened cartons) of 882 new liquid metal polish-type caps with sprinklers and screw stoppers, size $3\frac{1}{4} \times 4$. Immediate delivery. Price £13 15s. 6d. Royston 198 Trinity Road, S.W.17. Telephone Balham 281.

A VAILABLE, 90,000 plastic bowl shape containers with loose-fitting covers $1\frac{1}{2}$ in. dia. x $\frac{3}{4}$ in. deep. Details 114/608, C. & D. Office.

EARTHENWARE Jars and Bottles for sale. Various sizes from $\frac{1}{2}$ pint to 3 gallons. Considerable quantities available. Gunn, Whitepost London Road, Rayleigh, Essex.

FLYPAPER Manufacturer wishes to dispose of plant comprising Batterie 20 machines. Please refer to 112/540, C. & D. Office.

FOR Sale, number of flat-top Trolleys, 2ft. 11in. long x 14 in. high, oak tops, four 10 in. dia. rubber-tired wheels. £4 4s. each delivered. Reed Brothers (Engineering), Ltd., Cuba Street, Millwall, London, E.14.

FOR SALE. Plate Type Heat Exchanger, Aluminium Plant & Vessel Co., 32 brass plate about 21 in. x 18 in. with stainless steel division plates, brass fitted, 6 N. & Z. electrical thermometers and 2 pressure gauges; ratchet action hand closing Reed Brothers (Engineering), Ltd., Bevis Mar House, London, E.C.3. Phone AVENUE 1901/4.

LIME Essence, highly concentrated, well-known make. 10 gallons vinyl resin lacquer, colourless 75 gallons. 10 gross 2-oz. bottles, semi-wide neck with ground glass stoppers. Sample 6d. 114/599, C. & D. Office.

SPECIE Jars, in good condition, with gilt metal caps, 24 in. x 15 in., 'Rhubarb', 22 $\frac{1}{2}$ in. x 14 in. 'Pot. Bitart.', 21 in. x 10 in. 'Magn. Carb.', 21 in. x 10 in., 'Ras. Corn. C.' Offers to Eucryl Ltd., Southampton.

TRIETHANOLAMINE, Pure, 6 x 7 lbs. Tin 10s. per lb., carriage paid. 80 gross glass butter dishes, 3 in. diameter, 42s. per gross. 5 gross per case, immediate delivery. Lever, 51b New Briggate Leeds. 1.

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